

C630.5
C293

CAROLINA COUNTRY

Official publication of North Carolina's electric cooperatives
Volume 29, No. 7, July 1997

Wild!

The wonders of
North Carolina's
wilderness



An Important Announcement to North Carolina Homeowners with Equity . . .

What Would You Do With An Extra \$3,600 to \$12,000 per year?

How to Get a Fast Mortgage Loan To Pay Off All Your Bills** (Even If You've Been Turned Down By A Bank Or Mortgage Company)

Rockingham, N.C. - Ray and Becky were frustrated. They'd bought the house 12 years ago and it was five years old when they moved in. Becky laughed out loud when she thought back to that time. Back then it seemed so big and beautiful. But now, 12 years and 3 kids later, the house felt small and run down. The house needed a new roof and her two youngest girls, Emily and Katie, were doubling up in the small 10 x 12 bedroom.

Five years ago, Ray and Becky had a contractor come and talk to them about a new addition. Becky remembered how excited she and Ray both were. They even paid to have the plans drawn up. But that was the year before Ray lost his job at the plant. She poured herself another cup of coffee and recalled how depressed they both were. It was over a year before he got another job. And during that time, they got behind on everything.

No Summer Vacation

They were so strapped for money one summer, they couldn't even take Emily and Katie to the beach for a few days for their annual vacation. Sure they finally got all caught up when Ray went back to work, it took them two years and by that time it had ruined their previously perfect credit record, it was a vicious cycle. You know, getting paid on Friday, sitting down on Saturday to pay bills and running out of money before all the bills are paid.

"I Hit A Brick Wall"

After they got caught up they tried again to borrow the money for the addition. First they got turned down by the local bank, then a mortgage company in town rejected them. They just kept hitting the same brick wall. Even though Ray had gone back to work in another carpet mill making MORE money, the late payments that showed up on his credit reports scared the local banks and mortgage companies away. Ray felt like he was working JUST to pay his monthly bills and doing nothing for himself, Becky or the kids. Then he ran into Harvest Mortgage Company. Harvest helped him get a loan to pay off all his bills and consolidate everything into one single payment that was \$358 lower than he had been making. That saved him a whopping \$4,296 per year, TAX FREE. In the first year, that was enough money to close in the back porch, AND enough left over for new bikes for the kids.

Home Equity is the Key



Carole Eskew, Sr., V.P.

"If you have a minimum of 20% equity or more, there's a good chance we can help you save a lot of money every month by combining old bills and your old mortgage into one

new and much lower payment. Or, we can help you get cash out of your home to buy a vacation home, start a business, whatever."

Compare your budget to this:

Amt.	Owed	Payment
\$12,000	2nd Mortgage	\$200. ⁰⁰
8,500	Auto Loan	375. ⁰⁰
2,000	VISA	100. ⁰⁰
2,000	MasterCard	100. ⁰⁰

\$25,000 Current Payment \$775.⁰⁰

-After Harvest Mortgage -

New Payment: \$187.⁸²/mo.

APR 9.077% / 30 yr. term

You Save: \$587.¹⁸/mo., \$7,046.16/yr.

** Rates subject to change*

"I couldn't believe it. We closed our loan 9 days after the first day I talked to them on the phone."

Debbie C., Dallas

"We ended up paying off all our bills and rolling them all into one single payment. After we did, our total monthly payments dropped by almost \$400 per month."

Billy and Judy., Columbus

"Thanks to you and your great company, we feel reborn. Words can not express the relief we feel. We are so glad this battle with the bills is almost over."

James and Laurie C.

Recent Loans Include:

- A \$45,000 loan to a borrower in bankruptcy.
- A \$100,000 loan to a borrower who couldn't verify income through tax returns.
- A \$95,000 bill-consolidation loan that saved the borrower over \$8,100 per year and a whopping \$124,000 over the loan period.

(No singlewides, please)

No Ivory Towers

"When you apply for a loan at Harvest Mortgage, your loan request is reviewed and decided upon by the people right in our office," says a Harvest executive. He added, "Since we are direct lenders, we don't send the information to some guys off somewhere in New York or California. We review and approve loans right here in town locally."

Fast Approval and Closing

That means we can get your loan closed in a matter of days, and you never have to go out of your living room until you're ready to close."

Loan For Purchase or Refinance

Harvest Mortgage officials report that whether you are buying, refinancing a house, just looking to consolidate some bills, get cash for your property, they have created programs to give you the money you're looking for.

Different loan programs include:

- Loans to Borrowers with good credit, with the most competitive rates in the country. These are available for purchasing a new home or refinancing.
- Loans to borrowers with a lot of equity homeowners who have slow credit or have even been bankrupt.
- Cash out loans for investment property with a lot of equity.
- Loans for borrowers who want to do additions or remodel their homes.

Check This Out For Free

To see how much money you may be able to get and exactly how much your payments would be, you can check it out by just picking up the phone and calling us. Be sure to ask for Carolyn Reid **1-800-972-LEND (5363)**. Or for a **FREE** report on **HOW Harvest Mortgage** can work for you, call toll-free **1-888-697-LOAN (5626)** for a 24-hour recorded message. All of this doesn't cost you a dime, so you owe it to yourself. Don't put this off any longer. Do it now while you're thinking about it! You have nothing to lose and everything to gain. Call Now!

Harvest Mortgage Company Inc.
Mortgage Bankers

North Carolina Residential Mortgage License

****Subject to Qualification**

1-800-972-LEND (5363)

CAROLINA COUNTRY



14



NORTH CAROLINA'S WILDERNESS 12-17
Mountains, rivers, forests, grasslands, swamps, bays, estuaries, dunes, oceans. They were here before we were. They refresh our souls. They are good for the economy just as they are. Carolina Country pays tribute to our wilderness areas and two agencies that work on their behalf.



30



24



34



On the Cover
The big bald cypress trees of Devil's Gut, a 1,000-acre preserve along the lower Roanoke River, Martin County, managed by The Nature Conservancy's North Carolina Chapter. The wader is Jeff Horton, the photographer is Harold Malde.

DEPARTMENTS

COMMENTARY 6
Power lines from Stumpy Point, plus comments on May's magazine, poetry books, the "herb doctor," and a gospel song.

MORE POWER TO YOU 9
The General Assembly creates a commission to study deregulating the state's electric utility industry, while Congress backs away from mandating deregulation nationwide . . .
Photos of your cooperative delegates representing your interests in Raleigh and Washington.

GO ELECTRIC 24
A buyer's guide to new electric cooktops.

MAKING CENTS OF YOUR ELECTRIC BILL 26
Heat recovery ventilators can bring fresh air inside.

JOYNER'S CORNER 28
Two puzzles in one.

CAROLINA COMPASS 30
July 4 — August 2.

MARKETPLACE 32-33
A showcase of goods and services.

HANK'S GARDENING GUIDE 34
Root a cutting, clone a plant.

JOURNAL 36
The wit and wisdom of South Carolina's Larry Cribb.

CLASSIFIED ADS 37

CAROLINA KITCHEN 38
Recipes for summer outings.

DO TODAY'S ELECTRIC HEAT PUMPS HEAT BETTER OR COOL BETTER?

Today's high-efficiency electric heat pumps aren't just

warmer than ever, they also

cool your home to the max

and cost less to buy and

install. So call your coopera-

tive today. When you learn



To Carolyn Slack, It's About Even.

Cooperative Member

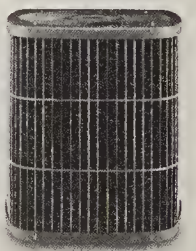
Mrs. Carolyn Slack

"No hot spots in summer, no cold spots in winter — just a nice, even temperature all year long."

all the reasons electric heat pumps are your most

economical heating and cooling choice,

it'll give you a nice, warm feeling inside



**North Carolina's
Electric Cooperatives**

Energy To Get Things DoneSM

Serving 1.6 million consumers in 93 North Carolina counties

CAROLINA COUNTRY

(ISSN 0008-6746)

Read monthly in more
than 366,000 homes
Volume 29, No. 7, July 1997



Official Publication of
North Carolina's Electric Cooperatives
(800) 662-8835

North Carolina's electric cooperatives provide reliable, safe and affordable electric service to 700,000 homes, farms and businesses in North Carolina. The 28 electric cooperatives are each member-owned, not-for-profit and overseen by a board of directors elected by the membership.

Editor

Michael E.C. Gery, ext. 367

Assistant Editor

Kim Whorton, ext. 308

Graphic Designer/Artist

Leisha R. Letterman, ext. 317

Contributing Editor

Owen Bishop, ext. 316

Editorial Intern

Carol Clayton, ext. 275

Subscriptions

Jenny Lloyd, ext. 291

Business/Advertising Manager

Monica Russell, ext. 310

Advertising Sales

Jennifer Boedart Hoey, ext. 307



Member
Audit Bureau of Circulations

Carolina Country® is published by the North Carolina Association of Electric Cooperatives, Inc. Periodicals postage paid at Raleigh, N.C., and additional mailing offices. Editorial offices: 3400 Sumner Blvd., Raleigh, N.C. 27616. Phone: (800) 662-8835, ext. 310. Carolina Country is a registered trademark of the North Carolina Association of Electric Cooperatives, Inc.

Postmaster: Send form 3579 to P.O. Box 27306, Raleigh, N.C. 27611

Individual subscriptions, \$8 per year.

To change address, send magazine mailing label to your electric cooperative



Printed on recycled paper



Advertising published in Carolina Country is accepted on the premise that the merchandise and services offered are accurately described and willingly sold to customers at the advertised price. The magazine, North Carolina Association of Electric Cooperatives, Inc., and the member cooperatives do not necessarily endorse the products or services advertised. Advertising that does not conform to these standards or that is deceptive or misleading is never knowingly accepted. Should you encounter advertising that does not comply with these standards, please inform: Carolina Country at P.O. Box 27306, Raleigh, NC 27611 (919) 713-1310.

Carolina Country is available on cassette tape as a courtesy of volunteer services at the N.C. Department of Cultural Resources, Library for the Blind and Physically Handicapped, Raleigh, N.C. (800) 662-7726.

Do you receive Carolina Country? Has your address changed?

Carolina Country magazine is available monthly to members of the electric cooperatives listed below. If you are a member of one of these cooperatives but do not receive Carolina Country, you may request a subscription by calling Member Services at the office of your cooperative. If your address has changed, please inform your cooperative.

Abemarle EMC	(919-426-5735)	Pee Dee EMC	(704-694-2114)
Blue Ridge Electric	(704-758-2383)	Piedmont EMC	(919-732-2123)
Cape Hatteras Electric	(919-995-5616)	Pitt & Greene EMC	(919-753-3128)
Central EMC	(919-774-4900)	Randolph EMC	(910-625-5177)
Coastal EMC	(704-873-5241)	Roanoke Electric	(919-539-2236)
Davidson EMC	(910-249-3131)	Rutherford EMC	(704-245-1621)
Dodgecombe-Martin EMC	(919-823-2171)	South River EMC	(910-892-8071)
Durham County EMC	(910-259-2171)	Surry-Yadkin EMC	(910-386-8241)
Edinboro EMC	(919-445-5111)	Tideland EMC	(919-943-3046)
Eastern Island EMC	(919-728-2593)	Tri-County EMC	(919-735-2611)
Haywood EMC	(704-452-2281)	Union EMC	(704-289-3145)
Henderson-Onslow EMC	(910-353-1940)	Wake EMC	(919-554-6300)
Imbee River EMC	(910-843-4131)		

DREAMS

grow from thoughts
planted in the...

Heart!



THE ORIGINAL LOG CABIN HOMES FOR THE HOME OF YOUR DREAMS!

Log Cabin Homes Uses
Door Systems By

STANLEY

helps you do things right.®

*For the quality you expect,
and the durability you demand.*



P.O. Drawer 1457
410 N. Pearl Street
Rocky Mount
N. C. 27802

Call Toll Free 24 Hours

800-56-CABIN

Phone: 919/977-7785

Fax: 919/977-1985

<http://www.logcabinhomes.com>

E-mail: info@logcabinhomes.com

YES! Please Send Log Cabin Homes
Color Planning Guide with **FREE** Wood Species
Samples, and a Company Video for \$19.95.

To order Planning Guide **ONLY**, please send \$15.95.

(The prices including shipping & handling!) Thank You!

V/MC/AE _____ Exp. _____

Name: _____

Address: _____

State: _____ Zip: _____

Phone: _____

Ample Supply of Western Red Cedar,
White Pine and Cypress in stock
Free Custom Home Quotes.

©1997LCH

CC7



Mail: P.O. Box 27306
Raleigh, NC 27611
Phone: (800) 662-8835, ext. 367

Fax: (919) 878-3970
E-mail: carolina.country@ncemcs.com
Website: www.ncemcs.com

North Carolina's wildlands — a homily

By Michael E.C. Gery

Stumpy Point, N.C. — From the porch here I am watching the sun set over Stumpy Point Bay. I can look south to the vast Pamlico Sound, then east to the long and empty pocosin (the Algonquian "swamp on a hill"), and north to my neighbor's house. All I hear are terns calling overhead, mallards arguing near the reeds, and bay waves swaying with the breeze. I'm wondering once again how all of us can live and grow in such a natural place.

Yesterday my wife, Susan, and I drove the most direct route from here to the Outer Banks, heading first through 15 miles of the Alligator River National Wildlife Refuge, then across Croatan Sound, Roanoke Island, Roanoke Sound and into Cape Hatteras National Seashore. Passing through Pea Island National Refuge, we gazed east to the plain sand dunes along the ocean beach and west to ponds and wetlands alive with white egrets, blue herons, delicate stilts, harried sandpipers. As we often do, we recited our prayer, "Thank you, Frank Stick," in homage to the visionary who collected these lands 50 years ago for placing in public trust.

The surf off Pea Island lifted and tossed me among some graceful, smiling dolphins, just as the air above lifted pelicans and gulls. From beyond the breakers I could see on the beach a mother and father playing with their children, and farther away two lovers walking hand in hand, looking down for shells and out to sea and into each other's eyes, until they disappeared from my sight. And I wondered then, too, how we all can live and grow in such a place.

This morning we paddled a kayak along the Long Shoal estuary in the Alligator River refuge. Quiet surrounded us there, too. The nearby Navy and Air Force bombing ranges — which attract the loudest things I've ever heard in this wilderness — were silent today, as they often are. The military flyers practice shooting out here, because it's so big, and their ranges ban the whining, buzzing commercial planes from the airspace. Today, only curious otters and flighty white ibis greeted us before we saw a few fishing boats way out in Pamlico Sound.

Mike Payne a little while ago docked his boat across the road here, unloading the "mess of fish" he brings for Stumpy Point neighbors, including us. As always, guys and dogs in trucks parked in the road to talk over what's new, what's right, what's wrong. And Carol Lee Tillett brought fresh eggs

to the Stumpy Point post office today. And when Horace Twiford visited us this evening he placed into local perspective community capitalism, the history of world religions, the importance of art, universal health care and life at sea. And I figured again that we can live and grow in such a place.



Looking at Stumpy Point, January 1997

The idea of North Carolina's civilization — or any civilized people — bound spiritually to our natural surroundings strikes me each time we drive to and from Stumpy Point. We drive among the eastern North Carolina wildlife refuges preserved forever — Pocosin Lakes, Swan Quarter, Mattamuskeet, Cedar Island sometimes. From Hwy. 264 we see the broad, fragrant farms of Hyde County and the steadfast churches, the satellite TV receivers behind houses. Finally we drive 25 miles through Alligator River National Wildlife Refuge, where we wave to the occasional driver headed toward us. All we see in that long and lovely stretch, often lit in a halo of setting sun, are the protected wildlands the state highway and the stalwart poles of the Tideland electric cooperative carrying power and light to the 250 people in Stumpy Point and to communities beyond. We understand then that local people, their electric cooperative outside allies and The Nature Conservancy worked long and hard to protect these areas so that all natural life can proceed.

Channel Earth is Channel 283

Channel Earth, the new television channel devoted to farmers, ranchers and rural residents, is on the DIRECTV channel 283. The 18-inch DBS satellite receiver dish and DIRECTV programming are available from Primewatch, a subsidiary of Halifax EMC, (800) 775-0068.

Our May magazine: Corrections and Illuminations

The May issue of Carolina Country ("See North Carolina: A 1997 Touring Guide") was one of the most popular we have produced. But, of course, we muffed a few things.

Frank Hollowell of Elizabeth City notified us that the Museum of the Albemarle does not charge admission and, like the Museum of the Cape Fear, is a branch of the North Carolina Museum of History.

Margaret S. Haywood, curator, advised us to add Haywood Hall in Raleigh to the listing of cultural attractions in the "Triangle." Haywood Hall House and Gardens, listed on the National Register of Historic Places, is the oldest house within Raleigh's original limits on its original site. It is located at 211 New Bern Place. Phone: (919) 832-8357.

Kenneth L. Ries of Hertford, who volunteers at the Newbold-White House historic site, was disappointed that the house was not included in the day trip itinerary we published ["Our Oldest Towns"]. "The Newbold-White House is the oldest house in North Carolina," he wrote. "By proclamation of the Governor, and recognition of most historians, it is the most important historical site in the state after Roanoke Island." The house is operated by the Perquimans County Restoration Association and is listed in Carolina Country's Touring Guide in "The Albemarle" section. For information, call (919) 426-7567.



Newbold-White House

Poetry published in slow motion

EPS publishing of Gulfport, Miss., has gone out of business. The publisher, whose poetry book projects were publicized in Carolina Country, informs us that it does plan to complete its final two poetry books, "Reflections of Life" and "Words from the Heart."

"Reflections of Life" is 90 percent complete, says publisher Eileen P. Stratz, who says she needs until at least mid-July to complete the orders. "Words from the Heart," she says, will not be completed until December 1997. She adds, "EPS Publishing apologizes for any inconvenience."

Tommie Bass on tape

Annie D. Carleton of Yadkinville asked us to supply her the address of "herb doctor" Tommie Bass. If others are interested, an Alabama publisher has produced a 60-minute video and 150-page book about the legendary "Tommie Bass: Herb Doctor of Shinbone Ridge." Including shipping costs, the video is available for \$29.45 and the book for \$17 from Little River Press, P.O. Box 8481, Gadsden, AL 35902.

Surry-Yadkin EMC member yearns for gospel song

I would like to send a heart-felt thank you to the Surry-Yadkin EMC men who responded when we had a power outage on the very windy night of March 31-April 1. They were here for several hours and did not leave until our power was restored.

Also, I would like to know if someone has the words and music to a gospel song that says the following (or similar):

If I ask for things that I should
not ask for
If I pray for things selfishly
If I ask for myself and not for
my neighbor
Lift this veil from my eyes and
let me see.

Mrs. C.L. Smith
3690 Cabin Creek Road
Hays, NC 28635

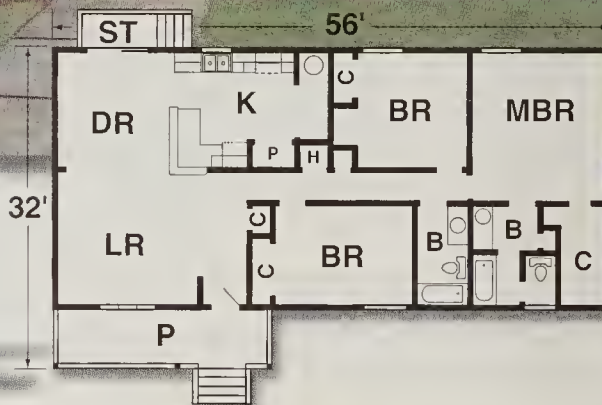
Gates Open and Close Automatically ... You Just Push the Button



- Swing and Slide gate low voltage systems.
- Battery maintained by transformer (included) or solar panel (optional).
- Easy installation on all types of gates: residential, farm and light industrial - tube, iron and chain link.
- Add On Ready for many optional accessories including: **GTO** Solar Panels, **GTO** Automatic Gate Locks, **GTO** Wireless Keypads, and many other entry/exit devices.

For information on our retail and professional lines of operators call ...
1-800-543-GATE(4283)

Hunting for a Homebuilder?



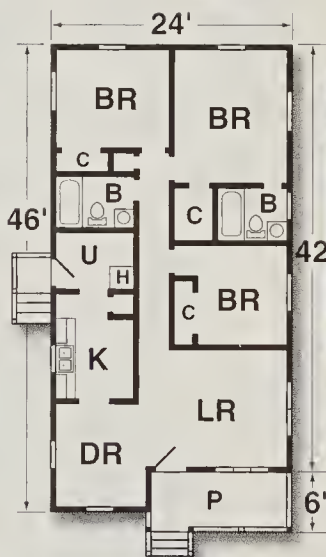
Clairmont, 3 bedrooms, 2 baths, 1456 sq. ft.

Jim Walter Homes, the nation's largest on-your-lot homebuilder, offers you an easy way to house hunt. With over 30 models in our Affordable, Classic and Regency Series, you can afford to build a new home.

In fact, with our special 8.5% Fixed-Rate Mortgage Financing, No Money Down, No Points or closing costs to qualified property owners, Jim Walter Homes makes it easy to build your new home now.

The hunt is over with homes starting from the upper \$20's to the lower \$100's. Each Jim Walter home is built on your property, completely finished on the outside, with your choice of a variety of interior option packages to finish the interior up to 100% complete.

Get on target with Jim Walter Homes and discover all the homebuilding possibilities.



San Antonio, 3 bedrooms, 2 baths, 1048 sq. ft.

Call **1-800-492-5837 ext 70** for a free brochure and location of your nearest sales center, mail the coupon or visit our web site at **<http://www.jimwalterhomes.com>**

**Jim Walter
HOMES**

OVER 320,000 BUILT SINCE 1946

Open 7 days a week. Weekend Hours
Sat. 8 A.M. to 6 P.M., Sun. 1 P.M. to 6 P.M.

Please send me your free brochure with more than 30 home designs and information about building on my property.

E0797

Name _____

Address _____

City _____ County _____ State _____

Zip _____ Telephone _____

Mail to: JIM WALTER HOMES, P.O. Box 31601, Tampa, FL 33631-3601

*8.5% APR fixed-rate mortgage financing offer good to July 31, 1997. No other offers or discounts apply. Prior sales excluded. Windows may vary from those shown. Floorplan dimensions are approximate. Optional deluxe kitchen and bath specs are shown here. Walkways and shrubs are not included in the standard offering. State License Numbers: AL-523, AR-HB1003, AZ-032077, FL-CRC052378, MS-R00356, NM-017647, NC-10840, SC-10773, TN-23042, VA-2701010439A, WV-008536. © Jim Walter Homes, Inc. 1997. Copyright strictly enforced. In Louisiana, Jim Walter Homes of Louisiana, Inc.



N.C. commission will examine opening the electric utility industry to more competition



The North Carolina General Assembly has created a 23-member study commission to review the issues of expanding competition within the state's electric utility industry. The commission is charged with recommending changes that may improve electric service availability and pricing for consumers, and will determine if legis-

lation is necessary to assure that an eco-

nomical, reliable and adequate source of electricity is available to all consumers.

Commission members will review their findings in the context of electric utility restructuring nationwide and the debate regarding consumer choice in the retail market.

Legislation creating the commission was introduced by Rep. Dub Dickson and Sen. David Hoyle, both of Gastonia.

The commission consists of 23 voting members as follows: six members of both the state Senate and House of Representatives; the chief executive officer or designee of four power supply utilities, specifically North Carolina Electric Membership Corporation (representing electric cooperatives), ElectriCities, Duke Power Company, and Carolina Power and Light; two members representing residential consumers, one for commercial consumers, two for industrial customers, a power marketing company delegate, and a member of the environmental community. Members will be appointed by House and Senate leadership, except the environmental representative, who the governor will appoint.

The commission is expected to conduct its review over the next two years and issue a final report in 1999. The panel may issue an interim report during the 1998 legislative session with recommendations for consideration.

Congress may not consider deregulation bill this year

U.S. Senate Majority Leader Trent Lott, R-Miss., added his voice to the growing number of legislators who do not expect Congress to pass electric utility deregulation legislation this year.

"I don't think we can get it done this year," Lott told a meeting of the Independent Petroleum Association of America on May 16. He added that it may take "several years" for federally mandated legislation to pass through Congress.

Lott's comments came amid growing skepticism on Capitol Hill that such legislation, or even compromise legislation, could make its way through Congress this year. The key figure in the Senate, Energy and Natural Resources chairman Frank Murkowski, R-Alaska, has solidified his stance against federally mandated restructuring legislation, which would make it virtually impossible for any legislation, including that of Sen. Dale Bumpers, D-Ark., to reach the Senate floor.

And Rep. Ralph Hall, D-Tex., the ranking minority member of the House Subcommittee on Energy and Power, told subcommittee chairman Dan Schaefer, R-Colo., that Schaefer's bill to mandate nationwide electric utility competition by December 2001 would not get out of the subcommittee, let alone the full House Commerce Committee or the House floor.

Lott, nonetheless, expressed optimism that Congress could pass legislation eventually. "We need to do (deregulation) in the electricity area, but we need to make sure it is something that people understand and is fair and even across the board," Lott said. "It took us 10 years on telecommunications deregulation. Hopefully, this won't take us 10 years." — *National Rural Electric Cooperative Association*

U.S. electricity prices drop over 10-year period

Electricity continues to be a bargain in America. While electricity consumption rose dramatically and the proportion of the average home energy bill attributable to electricity costs rose sharply, the average household paid less in real terms for electricity in 1995 than it did in 1985.

In 1995 residential consumers paid 17 percent less for electricity in real terms (constant dollars), according to Cambridge Energy Research Associates (CERA). In 1985, the average American household used about 9,000 kilowatt-hours of electricity per year, costing about \$860 in 1992 dollars. In 1995, the average household used more than 10,500 kwh per year at a total cost of less than \$830 in 1992 dollars.

One of the most notable trends is the growth in household electricity use. Electricity now represents 37 percent of the average American household's total energy use, compared to 17 percent in 1970.

In all, Americans spent \$208 billion on electric power in 1995 (residential, commercial and industrial), a 39 percent increase from 1985. — *National Rural Electric Cooperative Association*





When the cooperatives speak in Raleigh and Washington . . . *the government listens*

As state and federal officials consider new regulations for opening the electric utility industry to competition, North Carolina's electric cooperatives make sure their voices are heard in the halls of government. As you can imagine, our message comes through loud and clear.

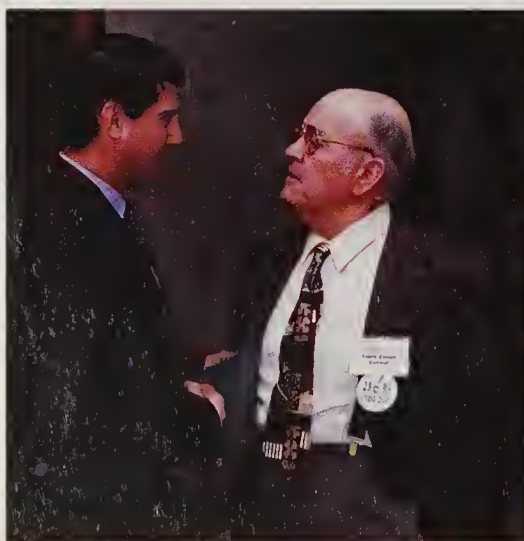
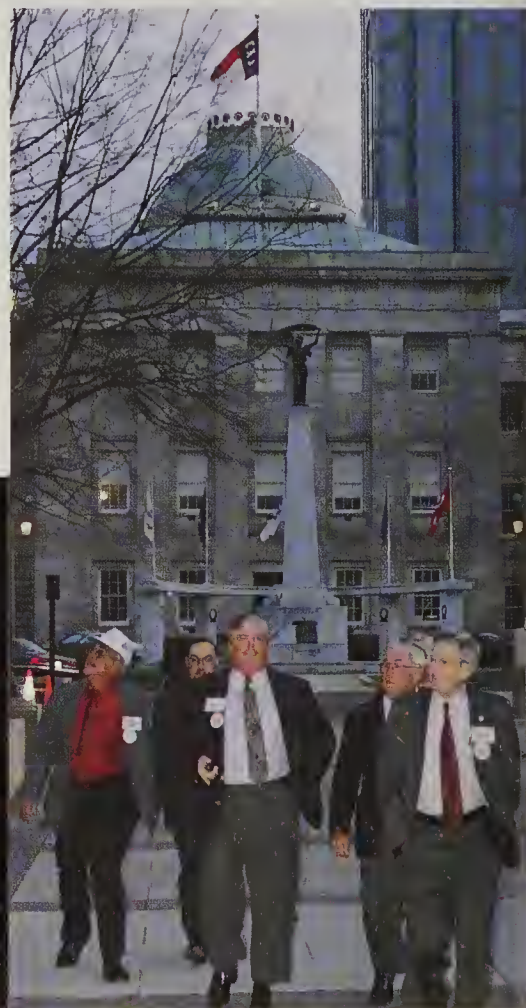
Communicating with government representatives is a longstanding practice among electric cooperatives. Since rural residents formed their own cooperative utilities in the 1930s and 1940s, they have maintained a strong connection to government to ensure that the small communities and businesses are not ignored.

Each North Carolina cooperative is governed by an elected board of directors who take seriously their role in safeguarding the interests of their members. They often demonstrate their commitment by visiting state and federal officials to convey messages regarding regional utility service and related issues. Such communication occurs continually as matters arise.

The North Carolina Association of Electric Cooperatives organized well attended legislative conference in Raleigh last February and hosted a similar gathering in Washington, D.C. in May.

NCAEC maintains an active Government Relations office that stays abreast of developments in this arena. For further information about policy issues affecting North Carolina's cooperatives, contact your cooperative or Chris Heagarty at (800) 662-8835, ext. 391.

Pounding pavement: the Halifax EMC delegation in Raleigh.



Setting him straight: Central EMC director Frank Comer (right) with Lt. Gov. Dennis Wicker.



Seeing eye to eye: Tri-County EMC director William Farmer Jr. with Sen. Jesse Helms.



Left Picture. Looking forward: Halifax EMC director emeritus Albert Willcox (right) with U.S. Rep. Bob Etheridge.



Right Picture. Keeping up with Joneses: Jones-Onslow EMC general manager Ron McElheney with U.S. Rep. Walter B. Jones Jr.



They mean business: the Brunswick EMC delegation.



Taylored: Sylvia Hedin (left) and Memphis Wilkins of Rutherford EMC with U.S. Rep. Charles H. Taylor.



Write this down: U.S. Rep. Richard Burr hears something noteworthy from Blue Ridge EMC chief executive officer Douglas Johnson.

Jeff Lepore



HELPING NATURE TAKE ITS COURSE

North Carolina's Nature Conservancy

by Carla Burgess

At an apex of 6,000 feet, Richland Balsam Mountain on the Haywood-Jackson county line wears a cap of Fraser fir. Around the shoulders of its high ridges rests an evergreen coat woven of red spruce and fir trees. And tucked among its pockets are some of nature's rarest accessories: northern flying squirrels, saw-whet owls, pinkshell azaleas.

It's Mother Nature at her finest, and Russell Beutell wants to keep it that way. So last year, he decided to give 262 acres of this Blue Ridge paradise to The Nature Conservancy's North Carolina Chapter.

"I'm afraid people are dominating everything. I'm interested in preserving the diversity of life," says Beutell, who lives farther down in the valley near Tuckasegee. "We're not leaving much room for the wild things."

Beutell bought the land in the 1950s to harvest the cherished wild Christmas trees North Carolinians used to call balsam firs. By the conservancy's account, Beutell was a careful forest manager and a good environmental steward — he didn't clear-cut Christmas trees from the tract he donated. Now the conservation group will continue his tradition.

Twenty years ago, the conservancy's North Carolina Chapter got its start and its first piece of real estate when in July 1977 the Federal Paper Board Company donated 13,850 acres of the Green Swamp in Brunswick County. Today, the chapter is 23,000 members strong and owns and manages 53,254 acres statewide as nature preserves. In total, this private, nonprofit conservation organization has protected over 379,000 acres of the state's natural areas.

While lobbying for protective legislation is the primary tack for many environmental groups, The Nature Conservancy takes a more streamlined approach.

"We're a non-advocacy organization," says J. Merrill Lynch, the North Carolina Chapter's assistant director for protection. "We have a very focused mission on acquiring land for the protection of biological diversity."



Black River, Pender County.

Lynch's formal education was plants and animals. Now, you could say he's more like a housing director. "We are kind of nature's real estate agent," he says.

With the help of money from member dues, donations and grants, the chapter buys land or accepts gifts of land. But the group is choosy — a spent cornfield or clear-cut forest can't match the diversity of a rich coastal plain savanna or an undisturbed mountain bog. Working with the state-supported Natural Heritage Program (within the Division of Parks and Recreation), the chapter looks for unique habitats and takes inventory of what lives there. In this way, the two groups can set priorities for areas that have the most urgent need for protection.

But protection for the conservancy transcends ownership, which explains why the organization has actually "protected" much more land than it owns and manages. Under registry or "gentleman's" agreements, individual landowners promise not to do anything that would "adversely impact" the plants or animals that live there. This type of agreement often evolves into something more legally binding — a conservation easement, for example. Here, a property owner relinquishes to the conservancy certain privileges, such as development or timbering rights, says Lynch. For their contributions, landowners may receive a tax write-off or a reduced property tax valuation.

Not surprisingly, the conservancy is often in a race with private developers

to sweep up prime property. But Lynch sees it as a fair competition between private interests.

"With some 60,000 people a year moving to North Carolina, we're blessed and I guess cursed too," he says. "A lot of people want to live here, which is

putting a lot of burden and pressure on natural areas. Everybody needs to recognize that there are places where people need to live and work. But these green areas are real important too."

Most notably, land often passes through the conservancy's hands on the way to reaching the public trust.

"A lot of these areas are now publicly owned," says Ida Phillips Lynch, the chapter's communications director. "They are state parks or wildlife refuges or national forests or Wildlife (Resources) Commission game lands."

The North Carolina Chapter owns and manages a few high profile sites, including Nags Head Woods, a maritime forest preserve with a visitors center, and areas of Grandfather Mountain, Roanoke River and Bluff Mountain.

Other sites can be visited with one of the conservancy's volunteer guides or on group-sponsored field trips throughout the year that include hiking, paddling and camping expeditions.

But conservancy preserves aren't public tramping grounds. The only ones with free rein are tiger salamanders, Bachman's sparrows, Carolina grass-of-Parnassus and all the other marvelous plants and animals that have been our gracious hosts all these years.

Carla Burgess is a Raleigh-based freelance writer.

Where Does the Money Go?

For a minimum donation of \$25, you can join the North Carolina Chapter and The Nature Conservancy's international organization. In exchange, you'll get *The Nature Conservancy Magazine* and the North Carolina Chapter newsletter, which keeps members informed of meetings, outings and volunteer conservation activities such as tree plantings and trail repairs.

If you're wondering how much of your charitable contribution actually goes to the birds and bees, here's the heads-up from a philanthropy watchdog group and financial magazine.

Based on input from the St. Louis-based American Institute of Philanthropy, *Worth* magazine in 1994 ranked The Nature Conservancy ninth on a Top 10 list of the most efficient U.S. charities. The superlatives were handed out to nonprofits based on the amount of money they actually spent on their stated cause. The compilers looked at 300 nonprofit organizations.

Here's the budgetary breakdown for the North Carolina Chapter. During fiscal year 1996, the North Carolina group spent 63 percent of its income on land protection, 15 percent on stewardship and biological information management, 9 percent on fund raising, 6 percent on general-administrative, and 7 percent on communications and other expenses.

The North Carolina Chapter headquarters is 4011 University Drive, Suite 201, Durham, NC 27707. Fax: (919) 403-0379. Phone: (919) 403-8558.



Bobcat, Great Smoky

See page 17 for a map of the Nature Conservancy protected areas and acreage.

LINVILLE GORGE: OUR 500 MILLION-YEAR-OLD WILDERNESS

Text and photos by William Weekes

On a map it looks as if God had plunged his finger down into western Carolina's best greenery, swirled it about playfully for a second, then drew a squiggly path southward toward the flatlands. The path depicts Linville River cutting its way through one of the oldest gorges in the world.

Today, any mortal who ventures into Linville Gorge Wilderness Area's 12,000 acres can attest to its divine nature. Called "the Grand Canyon of the East," this primitive tract, protected by the U.S. Forest Service since 1951 and later expanded, is something special — so special that it's envi-

rons attract 34,000 visitors annually, and has tempted movie makers to use its periphery in recent years as backdrop for two major films.

"First wilderness of the east," says a proud Bonny Amarol, supervisory forester with the U.S. Forest Service's Grandfather District office in Nebo. The rock formations here unfolded during geological activity 500 million years ago. (The common metamorphic rock is quartzite, schist and phyllite.) Their majesty, seen from overlooks on high, seems to steal some of the thunder from a river that flows along a fault formed 100-200 million years later.

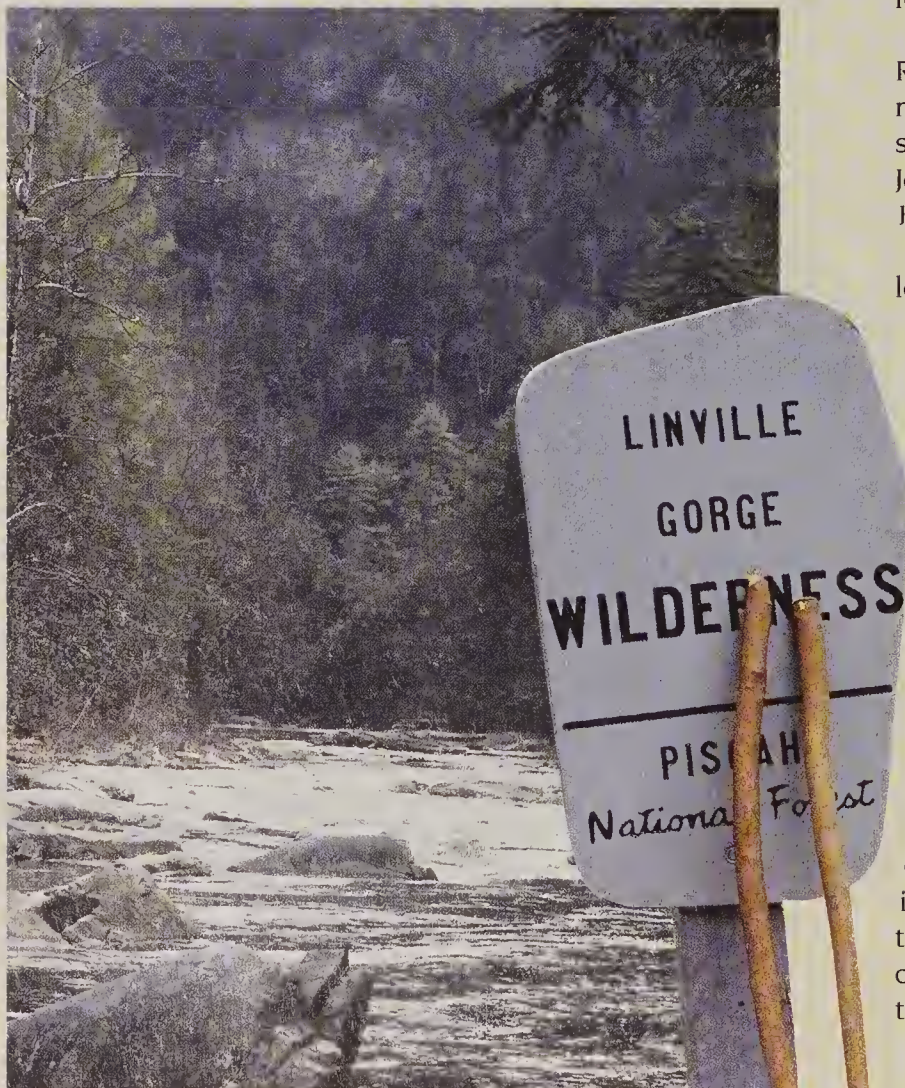
Bisecting the Linville Wilderness for 12 miles, Linville River, labeled "Eeseeoh" in Cherokee to mean "a river of many cliffs," flows through the hollows of a gorge—a steep-sided crevice fashioned by Linville Mountain to the west and Jonas Ridge to the east. The highest crests on the rim drop 1,400 feet to the gorge.

From its crests (elevation averaging 3,400 feet) and overlooks, such as Wiseman's View, you can absorb the breathtaking immensity of the wilderness. You can see such Jonas Ridge formations as Sitting Bear, Hawksbill ("Nokassa" ceremonial grounds), Table Rock (called "Attocoa" by Cherokees, where human sacrifice may have once been performed), Shortoff Mountain, and the Chimneys.

The Chimneys were the stage for the closing scene of the 1992 movie "The Last of the Mohicans." The characters looked over the Carolina peaks toward the setting sun.

In 1995, another film, "The Journey of August King," (with Sam Waterson) was shot in a restricted logging area bordering the Linville Wilderness, just off Hwy. 181. Again Linville's peaks were shown.

According to Edward W. Phifer Jr.'s book on Burke County the area inspired popular adventure stories as early as 1904 when Table Rock was the fortress-like rock used as a model of the Great Eyrie depicted by Jules Verne (with illustration) in his novel "Master of the World." In season, one can drive to Table Rock picnic area and hike less than a mile to the top of this imposing rock. The Chimneys are a quarter-mile to the south.



REACHING THE WILDERNESS

Linville Wilderness can star in movies and books mainly because it is so accessible to people. But its vastness also suspends some visitors who don't know exactly what they're doing, or where they're going, or who otherwise succumb to the urge to wander.

"Most outdoorsmen will tell you this area, in their opinion, is the roughest to be found east of the Mississippi," says Randy McKinney, manager and 17-year veteran of Burke a County's emergency management services. His crews are called in regularly to help people that are lost or injured at Linville.

Hikers and back-packers must be self sufficient if they stray far afield along the 39 miles of unmarked trails, says L. Phillip Kromer, supervisory forester in the area for seven years before retiring. "It's just what it says—a wilderness area," he says. "Take a topographical map and compass with you, and know how to use them."

Just following along the river is no guarantee against getting lost.

"Anytime you get off the trail you run the risk of getting lost," Kromer says. "The main trail down the river generally stays pretty close to it, but there are rock outcroppings where you have to climb up, around them and back down."

As you enter the wilderness, you see rhododendron, mountain laurel and other heaths like sand myrtle, sweetleaf, blueberry. Pale green lichen, called cotton moss, decorates shrubs and trees. There's also climax forest Carolina hemlock and sourwood.

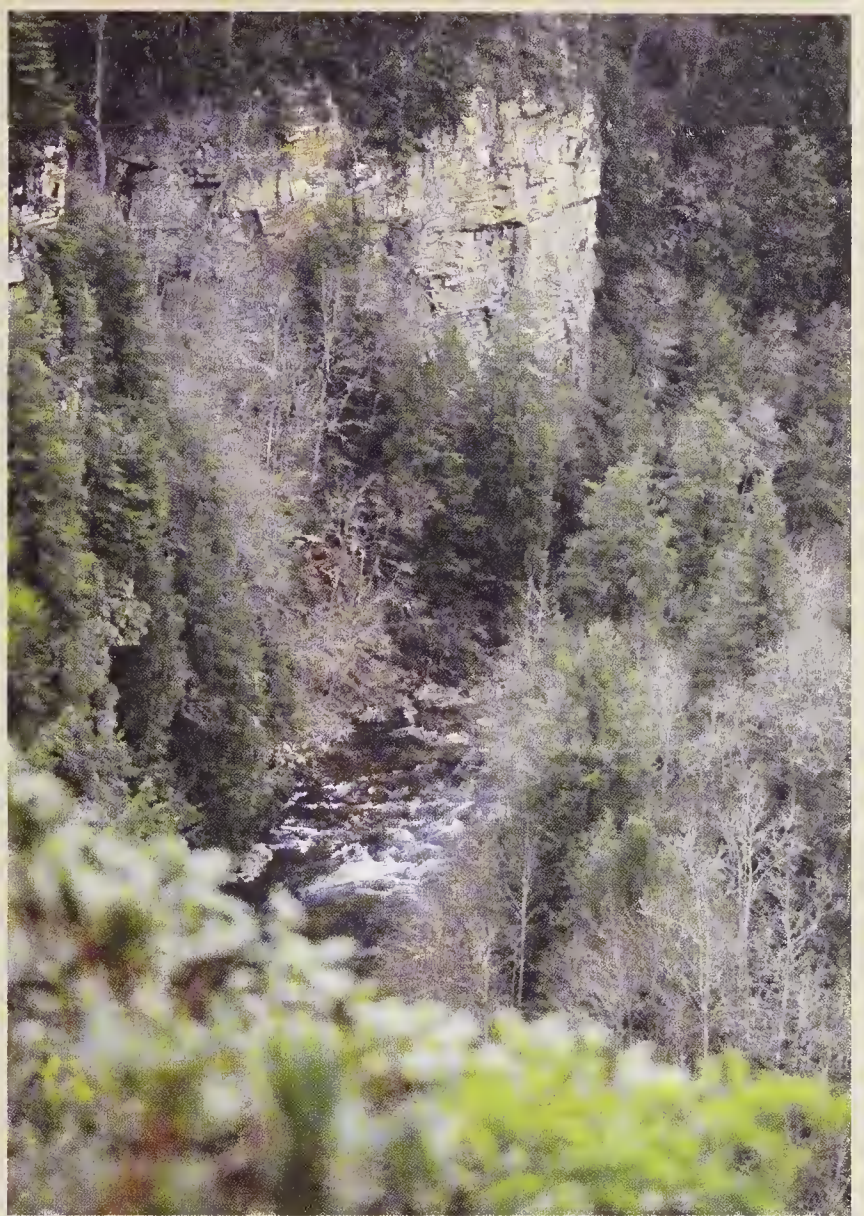
In here you are privileged to be among two plant species existing nowhere else in the world: the endangered mountain golden heath and the threatened blazing star. About a dozen flowering species here are monitored to protect their sensitivity toward rarity. Pisgah botanist Dave Danley says that controlled burning (to eliminate competition) and replantings have strengthened the mountain golden heath and the blazing star.

Also inhabiting the Linville Wilderness are the endangered peregrine falcon, and "sensitive" black vulture and olive-sided flycatcher. Birds live among raccoon, Opossum, squirrel, deer and black bear. Seeing bear is rare, however, because they're so shy.

The most popular means of access to the river, says forester Amarol, is via the Blue Ridge Parkway/Park Service falls area. Other heavily used routes are Pine Gap Trail, Conley Cove, Byrum Bluff and Babel Tower trails on the western escarpment. A well-used eastern access is Spence Ridge trail.

"The river's not all that impressive from above, but when you go down and stand next to it, you discover it's a heck of a river with lots of water," says retired forester Kromer.

He advises people to avoid trying to cross the river when the water's up. There are no bridges.



The gorge seen from Pine Gap Trail.

Gravity and rainfall give river currents impetus—from the water's 90-foot drop over Linville Falls, situated less than a mile north of the wilderness area on National Park Service land, to the gradual descending of 2,000 feet in elevation as the river makes its way to the flatlands and Lake James.

Originally called the "Great Falls" by the Indians, Linville Falls—also depicted in the "Mohicans" movie—is near the site where its present namesake, William Linville, and son John, explorer-hunters, were killed by Cherokees in 1776. Linville is thought to have been a close friend, perhaps even a relative of Daniel Boone, and member of the "Long Rifles" militia. He was buried with his son near where G.E. Weld's store was established in 1906.

In 1964 the Linville Gorge Wilderness Area became one of the first components of the national wilderness system, swelling from 7,575 acres to its present 12,000-acre dimensions under 1984's North Carolina Wilderness Act.

You can get maps, information on trails (open all year), camping permits (from May 1 to Oct. 31), and safety observations from the district office in Nebo. Phone: (704) 652-4841.

William Weekes wrote about the wildflowers of the Blue Ridge Parkway in the June issue of Carolina Country.

THE SOUND ADVANTAGE OF NATURE



The Albemarle-Pamlico region of northeastern North Carolina is probably the state's the most ecologically productive, unspoiled and historic area. It also may be the most beautiful and delicate.

Scientists and private organizations, including the local electric cooperatives, since 1987 have worked with federal and state agencies to chart a course for the region's future. Among the noticeable results is the Partnership for the Sounds, a non-profit organization that since 1992 has promoted ecotourism, environmental education and economic development in the region. Encompassing Beaufort, Bertie, Dare, Hyde, Tyrrell and Washington counties the partnership is creating a network of five environmental education centers to help people understand the importance of the Albermarle-Pamlico environment and to make people more interested in protecting it.

Another goal of the partnership is to provide "sustainable economic development" through ecotourism and environmental education. "It is too early in our efforts to have had a broad impact on employment and economic development, but renovation projects and centers have brought employment for construction workers and staff so far," says Tom Straud, Special Projects Director.

For more information, contact Partnership for the Sounds, (919) 796-1000.



Goose Creek shore, Pamlico County

Partnership for the Sounds Environmental Centers

1. The North Carolina Estuarium in Washington should be open by December 1997. The 15,000 square-foot facility will contain an auditorium, deck and lab area. Exhibits will focus on North Carolina's estuarine systems as exemplified by the Tar-Pamlico River and Pamlico Sound.

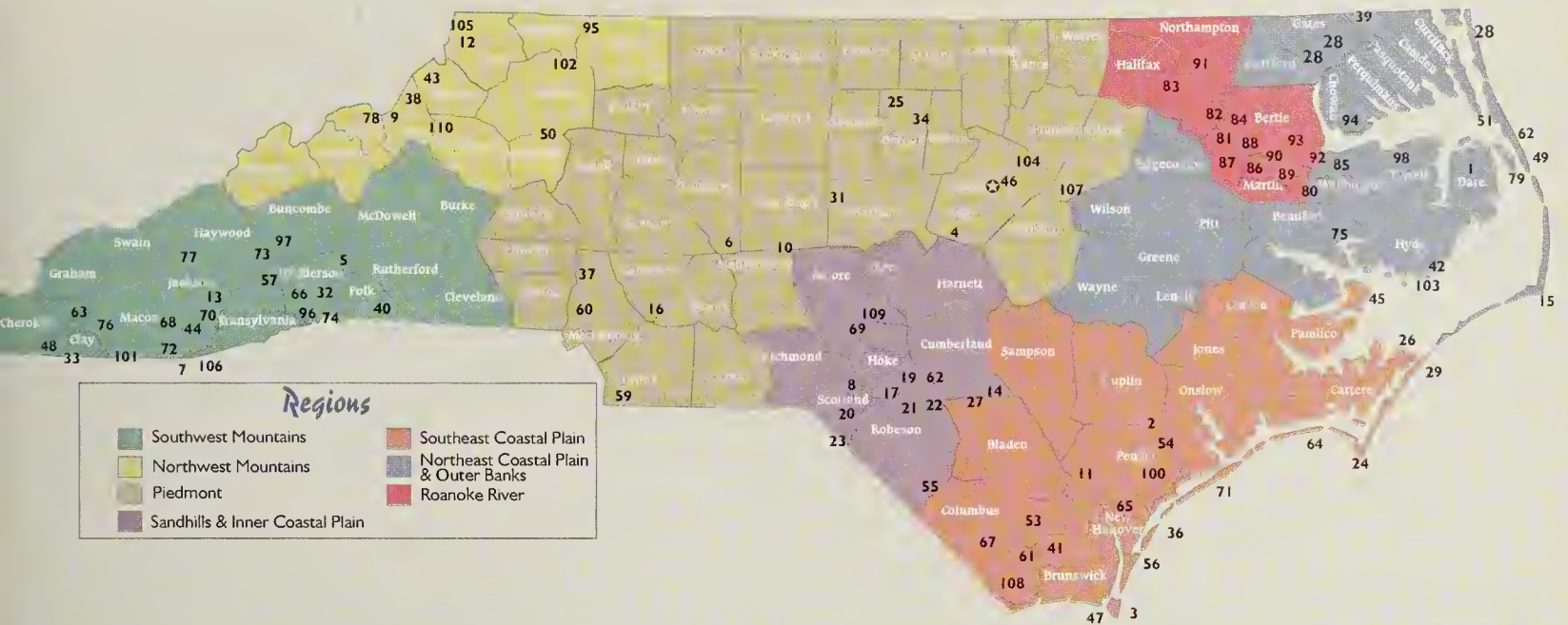
2. The Walter B. Jones Center in Columbia, Tyrrell County, so far includes an interpretive boardwalk along Scuppernon River, an outdoor classroom and an education program. Plans are to add a 10,000 to 12,000-square-foot building that will hold exhibits and staff offices for the nearby Pocosin Lakes National Wildlife Refuge (NWR). The partnership is working to secure funding through the U.S. Fish and Wildlife Service (USFWS).

3. The Columbia Theater Cultural Resources Center will be housed in the old Columbia Theater which is being restored. Exhibits will highlight the history of human interaction with the environment in the Tyrrell County area, including forestry, farming, fishing and country genealogy.

4. The Lake Mattamuskeet Lodge in Hyde County, at the national wildlife refuge there, is open for touring and events, but renovation is ongoing. Listed on the National Register of Historical Places, this building that originally housed water pumps used for farmland creation in the 1900s, will be an environmental research and education center. The lodge's 100-foot-tall smoke stack will be converted into a viewing tower. Partnership for the Sounds is working with USFWS, East Carolina University, Friends of Mattamuskeet Lodge, and the Mattamuskeet Foundation to restore the lodge. ECU will use the lodge as a field station for coastal research.

5. Roanoke/ Cashie River Center, located along the Cashie River in Windsor, is a 6-acre riverside tract that will have a boardwalk, park area and amphitheater for picnics and family excursions. The building will house a USFWS office and Roanoke River NWR exhibits. Windsor's Cashie River Trail upstream from this site already offers hiking and canoeing.

THE NATURE CONSERVANCY'S NORTH CAROLINA CHAPTER REACHES THROUGHOUT THE STATE



Protected Areas and Acreage

- 1 Alligator River (141,433)*
- 2 Angola Creek Flatwoods (250)*
- 3 Bald Head Island/ Smith Is. (11,193)
- 4 Bass Lake (104)*
- 5 Bat Cave (93)*
- 6 Beaverdam Creek (63)*
- 7 Big Sheepcliff Ridge (58)*
- 8 Big Shoe Heel Creek (143)
- 9 Big Yellow Mountain (426)*
- 10 Black Ankle Bog (284)*
- 11 Black River (1,324)*
- 12 Bluff Mountain (1,759)*
- 13 Bonas Defeat Gorge (39,000)
- 14 Bushy Lake State Park (1,351)
- 15 Buxton Woods (185)
- 16 Camilla Hill (20)

Carolina Bays

- 17 Antioch Church Bay (91)*
- 18 Dunahoe Bay (62)*
- 19 Goose Pond Bay (73)*
- 20 McIntosh Bay Complex (211)*
- 21 Oak Savannah Bay (40)*
- 22 Pretty Pond Bay (40)*
- 23 State Line Prairie Bay (60)*
- 24 Carrot Island (398)
- 25 Cedar Grove (10)*
- 26 Cedar Island (2,061)
- 27 Cedar Swamp Seep (47)*
- 28 Chowan Swamp (10,966)
- 29 Core Banks/Portsmouth Is. (950)
- 30 Currituck Outer Banks (6,874)*
- 31 Donnelley Hardpan Bog (101)
- 32 East Flat Rock Bog (1)*
- 33 Eller Seepage Bog (11)*
- 34 Eno River State Park (667)
- 36 Figure Eight Marsh (783)
- 37 Gar Creek (9)*
- 38 Grandfather Mountain (2,761)*
- 39 Great Dismal Swamp (30,859)

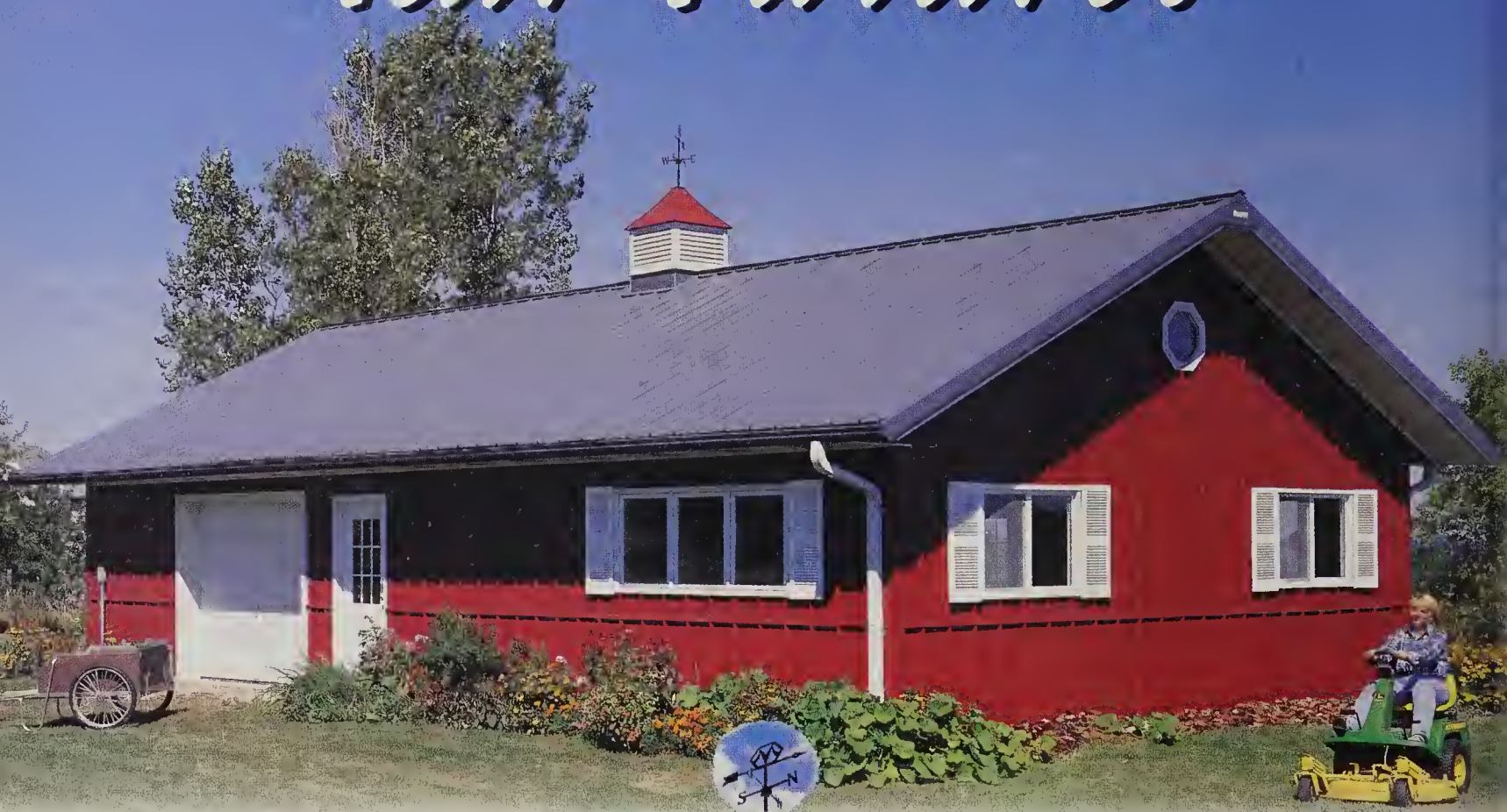
- 40 Green River (5,288)*
- 41 Green Swamp (15,762)*
- 42 Gull Rock Game Land (805)
- 43 Hanging Rock Ridge (39)*
- 44 Henry M. Wright (22)*
- 45 Hobucken Marsh (127)
- 46 Hymettus Woods (7)
- 47 Indigo Plantation Marsh (102)
- 48 Jean Jones Jackson Preserve/ Tusquitee Mountains (35)*
- 49 Jockey's Ridge State Park (67)
- 50 Joe Mountain (86)*
- 51 Kitty Hawk Woods (260)*
- 52 Kitty Hawk Bay Island (415)
- 53 Lake Waccaniaw State Park (1,339)
- 54 Lanier Quarry Savanna (62)*
- 55 Lumber River (2,068)
- 56 Masonboro Island (11)
- 57 McClure's Bog (15)*
- 58 Merchants Millpond (1,131)
- 59 Mineral Springs Barrens (60)*
- 60 Mountain Island Lake (433)
- 61 Myrtle Head Savanna (72)*
- 62 Nags Head Woods/Run Hill (1,221)*
- 63 Nantahala National Forest (9,190)
- 64 Newport River Marsh (531)
- 65 Northeast Cape Fear River (1,210)
- 66 Ochlawaha Bog (3)*
- 67 Old Dock Savanna (376)*
- 68 Olive Tract (4)
- 69 Paint Hill (222)
- 70 Panthertown Valley (6,295)
- 71 Permuda Island (49)
- 72 Pinky Falls (6)
- 73 Pisgah Nat'l Forest (2,396)
- 74 Poinsett Reservoir (163)
- 75 Pungo River (271)
- 76 Rainbow Springs (1,813)*
- 77 Richland Balsam Mt. (262)*
- 78 Roan Mountain Highlands/ Roan Mountain Massif (3,338)
- 79 Roanoke Island Marshes (875)

Roanoke River

- 80 Broad Creek Neck (6,996)*
- 81 Broadneck Swamp (5,393)
- 82 Buzzard Point/ Ventosa Plantation (1,230)
- 83 Camassia Slopes (176)*
- 84 Company Swamp (1,502)
- 85 Conaby Creek/ Swan Bay Swamp (670)*
- 86 Conine Island (5,024)
- 87 Conoho Creek Slopes & Floodplain (414)
- 88 Conoho Neck Swamp (7,829)
- 89 Devil's Gut (1,046)*
- 90 Devil's Gut Island & Bull Run Island (9,180)*
- 91 Larkspur Ridge (97)*
- 92 Roanoke River Delta Islands (8,831)*
- 93 Roquist Creek/ Cashie River Swamp (1,475)*
- 94 Rocky Hock Swamp Forest (77)*
- 95 Saddle Mountain (3,780)*
- 96 Carl Sandburg Nat'l His. Site (17)
- 97 Sandy Bottom (12)*
- 98 Scuppernong River (623)*
- 99 South River (57)
- 100 Southwest Ridge (950)*
- 101 Standing Indian Mtn. (1,492)
- 102 Stone Mtn. State Park (5,509)
- 103 Swanquarter N.W.R. (909)
- 104 Temple Flatrock (5)
- 105 Three Top Mountain (1,651)
- 106 Timber Ridge (20)*
- 107 Turkey Creek (34)*
- 108 Waccamaw River (100)*
- 109 Weymouth Woods State Park Boyd Estate & Forest (626)
- 110 Wilson Creek (149)*

* A Nature Conservancy managed-only preserve
(Revised December 1996)

Continue Building Your Future!



The symbol of excellence since 1903.

Discover "The Distinct Advantage" of Owning a Morton Building!

The family farm and Morton Buildings have been symbols of hard work and dedication for generations. Morton Buildings understands how important your farm is to you. That is why Morton Buildings will provide you with only superior quality materials.

Morton Buildings uses those materials to offer the small farmer a variety of structures to choose from—such as: suburban garages and hobby facilities, machine storage structures, equestrian and livestock facilities, and farm shops. Morton Buildings will create the structure you desire.

You can create a unique building or match the style of your existing

structures. Your local Morton Buildings sales consultant—along with a team of design and construction estimators, engineers, and architects—will work closely with you to design a building that reflects your individual needs. Your new structure will operate efficiently with minimum maintenance year after year. Best of all, your Morton building will be backed by the best warranties in the building business.

Don't wait until your future becomes your past. Choose the company that has been investing in rural America for the past 94 years. Contact your local Morton Buildings construction center today.

800-447-7436
ask for extension 82



**MORTON
BUILDINGS**

P. O. Box 399, Morton, IL 61550

www.mortonbuildings.com

© 1997 Morton Buildings, Inc.

CHICAGO (Special) - Research from centers around the world report what ancient healers knew thousands of years ago -- *that vinegar is the wonder elixir for a healthier life.*

Since ancient times a daily dose of apple cider vinegar has been taken to control appetite and maintain well-being.

Even Japan's feared Samurai warriors of years ago relied on a vinegar tonic for strength and power. A tonic you can make in your kitchen.

Today, countless reports and scientific studies praise the curative and preventive powers of vinegar as part of our daily diet.

And now after long research, for the first time, over 300 vinegar super-healing home remedies and recipes have been gathered by noted natural health author Emily Thacker in her exclusive new book, *"The Vinegar Book."*

It's the most complete collection since the discovery of vinegar 10,000 years ago.

You'll learn how to control your appetite to lose weight with a meal-time vinegar cocktail.

Find trusted home remedies to beat colds, ease painful arthritis, and other joint diseases.

Vinegar is nature's own drug-free anti-inflammatory.

Scientific tests show organic vinegar is a natural storehouse of vitamins and minerals, including beta carotene -- over 93 different components -- to fight what ails you.

More than 70 different research studies have verified that *beta carotene lowers the risk of getting cancer and it boosts the body's immune system.*

When fresh apples are allowed to ferment organically, the result is a vinegar that contains natural sediment with pectin, trace minerals, beneficial bacteria and enzymes.

And pectin helps your body reduce cholesterol levels to lower the risk of cardiovascular disease.

"*The Vinegar Book*" will amaze and delight you with 308 natural ways to enrich your personal life and home. Time-honored folk remedies that show step by step how to mix vinegar with other kitchen staples to:

- Improve your metabolism
- Aid digestion

- Help lower cholesterol
- Uses for middle ear problems
- Condition problem skin
- Fight age and liver spots
- Gain soft, radiant skin
- Amazing hair treatments
- Relieve nighttime leg cramps
- Soothe sprained muscles
- Fight osteoporosis with calcium
- Help headaches fade away
- Corn and callus relief

Forget Vinegar On Salad. It Belongs In Your Body!

- Aid to maintain health
- Skin rashes, athlete's foot
- Relieve insect bites
- Remedy for urinary problems
- Use for coughs, colds
- Destroy bacteria in foods
- Heart and circulatory problems
- Fight high blood pressure

And the above is only a brief sample of the 308 uses for vinegar you'll learn about.

You'll know how grandma's recipe for her famous pie crust depends on a spoonful of apple cider vinegar.

How a combination of vinegar and fruit juices relieves arthritis symptoms and other aches and pains.

Try a delicious low calorie, calcium-and-iron rich chicken soup and vinegar recipe.

Combine your favorite herbs with vinegar to create tenderizers, mild laxatives, mouth washes, tension

relievers, and mouthwatering tasty salad dressings and more.

Of course, we all know the cleaning power of vinegar. But Emily Thacker's research has uncovered a host of new moneysaving ways to keep your home, laundry, clothing, brass, copper and other possessions sparkling clean. And with less effort.

You'll also delight in making and bottling your own special vinegars. It's so simple to follow Emily's recipes. Homemade vinegars make such wonderful gifts. You could even end up selling your creations to food and gift shops.

And get ready for many compliments when the family and friends bite into those delicious pickle treats you make.

Yes, 308 remedies and recipes are yours to enjoy on a no-risk trial basis for 90 life-improving days. Imagine, three full months without obligation to keep this exclusive, one-of-its kind book.

When you read it you'll say: "Is there anything that vinegar is not good for?"

To get your trial copy direct from the publisher at the special introductory price of \$12.95 plus \$2 shipping and handling simply do this:

Write "Vinegar Preview" on a piece of paper and mail it along with your check or money order payable to:

The Vinegar Book
Dept. F6250

718 - 12th St. N.W., Box 24500
Canton, Ohio 44701

You can charge to your VISA/ MasterCard by mail. Be sure to include your card number and its expiration date. And for even faster service -- credit card orders only -- phone Toll Free 1-800-772-7285, Ext. F6250.

Want to save even more? Do a favor for a relative or friend and order 2 books for only \$20 postpaid. It's such a thoughtful gift.

Remember: It's not available in book stores at this time. And you're protected by the publisher's 90-Day Money Back Guarantee.

SPECIAL BONUS - Act promptly and you'll also receive Brain & Health Power Foods booklet absolutely FREE. It's yours to keep just for previewing "*The Vinegar Book*." Supplies are limited. Order today.

©1995 TRESCO INC.

<http://www.trescoinc.com>

When Carolina Copper Was King

by Peter R. Margolin

A hundred buildings once stood at Ore Knob, including mine workings, shops, offices and boarding houses. (Engraving from "Resources of SW Virginia," John Wiley & Sons, 1881.)

It delivers the power we use to light, heat, and air-condition our homes. It distributes the electricity that runs the appliances we rely on in daily life - dishwashers, TVs, computers, refrigerators, stoves, vacuum cleaners. It carries our conversations when we talk on the telephone and the spark to the sparkplugs of the engines that power our cars.

Copper is the behind-the-scenes servant that does all these jobs. Sheathed in heavy insulation, concealed behind the walls of our homes and under the hoods of our cars, covered up, out of sight, shut from view, wires of the bright, fiery-hued metal surround us and make all our daily activities possible. Day in and out, copper does the job of delivering electrical power and helping turn it into useful work.

Also out of sight and out of mind is the old copper mine on Ore Knob Road, a few miles off the Blue Ridge Parkway in Ashe County. Here in the Blue Ridge Mountains millions of dollars worth of copper, gold, and silver were mined from the largest deposit of copper ever found in the Carolinas. For a few years in the 1880s, this was America's largest copper mine. And 70 years later, a government program encouraged a Canadian company to mine most of the 30,000 tons of copper North Carolina has produced in this century, as well as over \$2 million worth of gold.

Remembered now only by a roadside historical marker on NC Route 88 a few miles east of Laurel Springs, Ore Knob copper drew hundreds of workers and their families in the 1870s. A hundred buildings once stood here, including mine workings, shops, offices and boarding houses. The boomtown of Ore Knob flourished. Its population briefly swelled to 700. And unlike scores of western ghost towns that still mark sites of former mining activity, Ore Knob vanished without a trace.

In the last century, the demand for copper wire grew steadily as hundreds then thousands of miles of telegraph lines were strung up, connecting the nation from coast to coast. But by the 1870s, with the advent of electrical power, the demand for copper wire began to soar. We needed hundreds of feet of copper wire for the winding of each and every one of the newly invented electrical motors and generators. We needed miles of copper wire for the power transmission and telephone lines that were going up in every urban center throughout the nation. And Ore Knob, where a huge deposit of the iron-copper-sulfide mineral chalcopyrite (fool's gold) had been discovered shortly before the Civil War, was one of the nation's first big copper suppliers, producing as much as 1,000 tons of the metal each year.

By 1880, 11 shafts, the deepest extending more than 400 feet into the earth, provided access to a vein of solid ore almost half a mile in length and as much as 20 feet wide. A smelter ran night and day, producing copper ingots that were loaded into horse-drawn wagons for the trip to the nearest rail-





Elizabeth C. Hunter

head, in Marion, Va. From there, North Carolina copper was shipped north, to customers such as the Revere Copper Co. in Connecticut.

For a time, the owners of the Ore Knob Mine had

hoped that their ore body would rival in size the huge deposit discovered at Ducktown, Tenn., a few years earlier. They were encouraged by North Carolina's third official state geologist, W.C. Kerr, who published a report describing the Ore Knob deposit as "a body of ore unequaled by any mine I know of outside of Ducktown." But by 1883, the richest ore, within hundreds of feet of the ground surface, had all been mined out. And, by this time, the mines of Michigan and Montana, founded on ore deposits far larger than any that professor Kerr had ever seen, were beginning to deliver copper to New York markets at less than the 11 cents a pound it cost to deliver Ore Knob copper.

Dwindling reserves of ore and competition from the West were not the only reasons Ore Knob went from boom to bust after only a decade of operation. Running the smelter and hoisting engines required huge amounts of fuel, in those days before the Tennessee Valley Authority and rural electrification made low-cost electric power available. Without a railroad to bring coal to the site, the operators had to rely on farmers supplying wagon loads of relatively expensive fuel, wood and charcoal.

But when the mine shut down in 1883, not everyone was convinced that the largest body of copper ore in the Carolinas was exhausted. Sporadic attempts were made to mine copper there for several more decades, until 1927, but all failed because no one knew exactly where to look for new ore, now that the richest section of the deposit had been mined out. It took World War Two and the government's search for strategic minerals to get the mine going again.

Bulldozers leveled the Ore Knob site 20 years ago, but the rock on the surface remains rich in copper minerals.

**For a few years
in the 1880s,
Ashe County's
Ore Knob
was America's
largest copper
mine.**

As part of its minerals exploration program, the U.S. Bureau of Mines drilled a series of deep holes at Ore Knob in 1942 and 1943. From samples recovered in one of these holes, geologists could see the possibility that the vein of cop-

per minerals might get wider and richer below and to the southwest of the old workings. This was enough to interest a Canadian mining company looking for new properties to develop. Within 10 years, the Canadians drilled enough holes, in the right places and at the right depths, to outline a new ore body larger and twice as deep as the one mined previously. In 1957 they invested \$2 million building a shaft three times deeper than the originals, as well as tunnels branching out from the new shaft, facilities to crush and concentrate the million tons of ore they had discovered, ventilation equipment to supply miners 1,000 feet below ground with fresh air, and pumps to keep the mine from filling with water. By then, of course, inexpensive electrical power had come to the Blue Ridge Mountains to run all this new equipment.

But five years later, by 1962, most of the new ore body had been mined out, too. By then, the price of copper had fallen to half of what it was in 1957, not nearly high enough to encourage a new round of exploration, although the Canadians had not quite recouped their investment. As it had 80 years earlier, the mine at Ore Knob closed again, leaving miners in Montana, Arizona, and Utah to supply the nation's copper. During this last period of operation, Ore Knob had produced 26,000 tons of copper, a record unrivaled by any other mine in the Carolinas, plus 108,000 ounces of silver and 7,000 ounces of gold. And some of that copper may have found its way into the wiring of your home, helping deliver electricity to you even as you read this.

Peter R. Margolin, a member of French Broad Electric Membership Corporation, is a geologist who studies the rocks and minerals of western North Carolina and, as a park ranger, interprets them for visitors to the Blue Ridge Parkway.



Carolina Close-up

compiled by Carol Clayton

Pamlico Joe makes new music about the Carolina coast

The coastal Carolina performer Pamlico Joe has released a new album devoted to North Carolina's coastal heritage and its environmental resources. Among

the 12 songs are "Be Fair to the Air," the title song "Mother Nature Rules," "Don't Feed the Ferry Birds," and "Bill's Hot Dogs." The album was produced locally at Star Trak Studios in Washington.

Pamlico Joe, (aka Jim Swinson) is a member of the North Carolina Arts Council Touring and Residency Directory who performs year-round at schools, libraries, festivals and museums. His concerts center on environmental awareness and emphasize recycling. Audiences become involved in original, collected and traditional songs. Pamlico Joe sings, plays guitar, harmonica, kazoo and the crab trap. A percussionist can accompany him.

For concert information, call (919) 975-1831.

The album is available on cassette tape from the Beaufort County Arts Council in Washington or for \$12 from Jim Swinson, 63 Ridgecrest Dr., Chocowinity Bay, NC 27817.



Study aims at preventing colon cancer

The Southeastern Cancer Control Consortium is participating in a study aimed at preventing colon cancer. The study, conducted by the Cancer and Leukemia Group B (CALGB), looks at people who had colon cancer more than five years ago. People who have had colon cancer are at a higher risk for a second colon cancer than people who have never had the colon cancer, according to the cancer control consortium.

Persons interested in joining the study may do so if they had colon cancer more than five years ago. The study compares the use of aspirin to a placebo to try to determine whether or not aspirin can prevent colon cancer. People who participate in the study may or may not benefit from the treatment, but others may if results are successful.

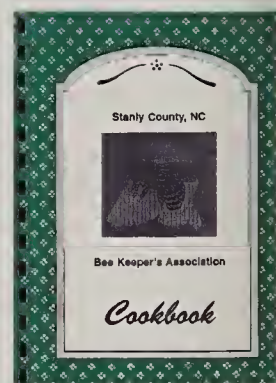
If you or someone you know is interested, call the Southeastern Cancer Control Consortium at 910-770-0306 or send e-mail to JAtkins@WORLDNET.ATT.NET.

Information also is available from the National Cancer Institute's toll free number at 1-800-4CANCER.

Beekeepers introduce honey recipes

The Stanly County Beekeepers Association has published a cookbook of honey recipes and members' favorite recipes. Published in December 1996, the 109-page book contains approximately 350 recipes. The association promotes education and public awareness of the importance of beekeeping.

The cookbook suggests honey in appetizers and beverages, soups and salads, vegetables, main dishes, breads, desserts, and as a natural alternative to sugar. It also features a section highlighting creative uses of honey, including furniture polish and soap. To order a cookbook, send \$7 (plus \$2 shipping) to Stanly County Beekeepers Association, c/o Ronnie Hatley, 4961 Rushing Road, Stanfield, NC 28163; (704) 888-0119. Anyone interested in beekeeping may contact Ronnie Hatley.



Giant vegetables needed for weigh off

The Giant Growers Association (GGA) has scheduled its 1997 Competition and Weigh-off for Sept. 13 at the North Carolina State Farmers Market in Raleigh. The contest includes competitive classes and cash prizes. Prizes will be awarded for the heaviest pumpkin/squash, watermelon, tomato, cantaloupe and bushel gourd, as well as the longest dipper gourd and the largest diameter head for a sunflower. Prizes total \$35,000 and range from \$100 to \$5,000 depending on the category and place awarded. Trophies and plaques will be awarded to the top winners.

GGA membership is open to all. Eligibility for contest entry and cash awards requires GGA membership at least 45 days prior to contest entry. Dues are \$25 (US) and \$30 (Canada). Contact Harry Hurley, Giant Growers Association, PO Box 37457, Raleigh, NC 27627. Phone: (919) 557-5946.

Cape Hatteras volunteers light the way for tourists

Cape Hatteras Lighthouse needs volunteers to greet visitors from all over the world. The Keepers of Cape Hatteras Light have expanded the visitor programs this summer to include a tour of the newly renovated Principal Keeper's House, and by greeting people at the bottom and top of the lighthouse. For more information, contact Richard Schneider at Cape Hatteras Lighthouse, (919) 995-4474.



“Summer at Wittens Mill”

This scene is the latest fine art print by watercolor artist Aaron Morrell of Waynesville. It shows a mill built in the 1860's by Thomas W. Witten and his son-in-law Richard Smoot on the Clinch River in Tazewell County, Va. The mill was the center of activity in that community for generations and was last operated by A.W. Jennings, whose son, Walter, commissioned the painting.

Aaron Morrell was raised in Asheville and trained in architectural renderings. Recently he has turned to watercolors of historical, environmental, social and unusually juxtaposed scenes.

For information about Aaron Morrell's work, contact the artist at 1107 Utah Mountain Dr., Waynesville, NC 28786. Phone: (704) 926-1929.

Musicians needed for Beaufort festival

Musicians are needed to perform during the 10th Annual Beaufort Music Festival to be held April 24-26, 1998. The festival, produced by the Beaufort Business and Professional Association, is a free three-day event offering a variety of musical styles. Interested musicians may apply by writing Kim Simpson, Beaufort Music Festival, Musician Selection Committee, 7305 Big Horn Drive, Hillsborough, NC 27278, or by calling (919) 728-6894.

To promote the festival, the association is sponsoring a commemorative T-shirt design contest. A \$100 prize will go to the winner. The design will appear on posters, T-shirts and over 10,000 schedules promoting the festival. All entries must be received by Sept. 30. Information is available by calling the festival at (919) 728-6894, or by writing to Beaufort Music Festival T-shirt Information, P.O. Box 56, Beaufort, NC 28516.

North Carolina Naturalist shows a new look

North Carolina Naturalist magazine introduced a new format with its Spring/Summer issue. Published by Friends of the North Carolina State Museum of Natural Sciences, the magazine provides information about natural sciences and museum activities. The new version is published semi-annually with twice the pages and more photos and graphics than before.

A free subscription to North Carolina Naturalist is a benefit of membership in Friends of the North Carolina State Museum of Natural Sciences. Contact the organization at P.O. Box 29555, Raleigh, NC 27626-0555 or call (919) 733-7450.



C. S. Brown School hosts reunion

C. S. Brown School, the first high school for African-Americans in North Carolina, will hold an all-school reunion July 4 weekend at the historic site in Winton. Established in 1886 by Dr. Calvin Scott Brown, the site houses the C. S. Brown Regional Cultural Arts Center and Museum. The association is open to all previous students and employees. Contact Brown Alumni Association, C. S. Brown School, Winton, NC 27986. Phone: (919) 358-2711. Fax: (919) 398-3190.



Fine-hand-crafted furniture from Matthews

Master joiner Jack Coobs has made fine custom furniture in Matthews since 1992. The furniture has the delicate quality touch of handmade marquetry inlays, carvings, handcut dovetailing and remarkable finishes. He can create pieces from a photo, drawing or blueprint. Custom jobs —ranging from tables and clocks to bookcases and china cabinets can cost from \$900 to \$25,000. Coobs plans to take on apprentices, build musical instruments and market his custom inlays to other woodworkers. Contact Jack Coobs at COOBS Inc., 3656 Smith Farm Rd., Matthews, NC 28105. Phone: (704) 821-9737.

Go Electric

A buyer's guide
by Sharon O'Malley

The top of everybody's stove used to look about the same, with four burners and a dial to control each. The latest electric cooktops are sleek and energy-efficient, and give the cook lots of choices.



What's Cooking?

This guide is for informational purposes only and not intended as an endorsement by the North Carolina Association of Electric Cooperatives.

1 Warm up.

Thermador's electric Ceran cooktops not only heat food up but keep it warm on an innovative warming zone — a stovetop space designed for warming breads, sauces and plates. The easy-to-clean cooktop comes in 30-, 36- and 45-inch widths and is available with all-radiant and halogen elements. The flagship 45-inch model offers a cook up to eight different heating zones when all the elements are in use. Prices range from \$489 to \$1,300. To find a Thermador dealer, call 800-656-9226, extension 15.

2 Tabletop.

You can install Amana's quartz halogen cooktop on a kitchen counter or peninsula so it blends with the decor. Its unique, frameless design conceals four burners that you control through 10 possible intensities. The glass-ceramic surface glows bright red when an element is hot. Model AK2H36 costs between \$799 and \$849. Call 800-843-0304 to find a dealer near you.

3 Cornered.

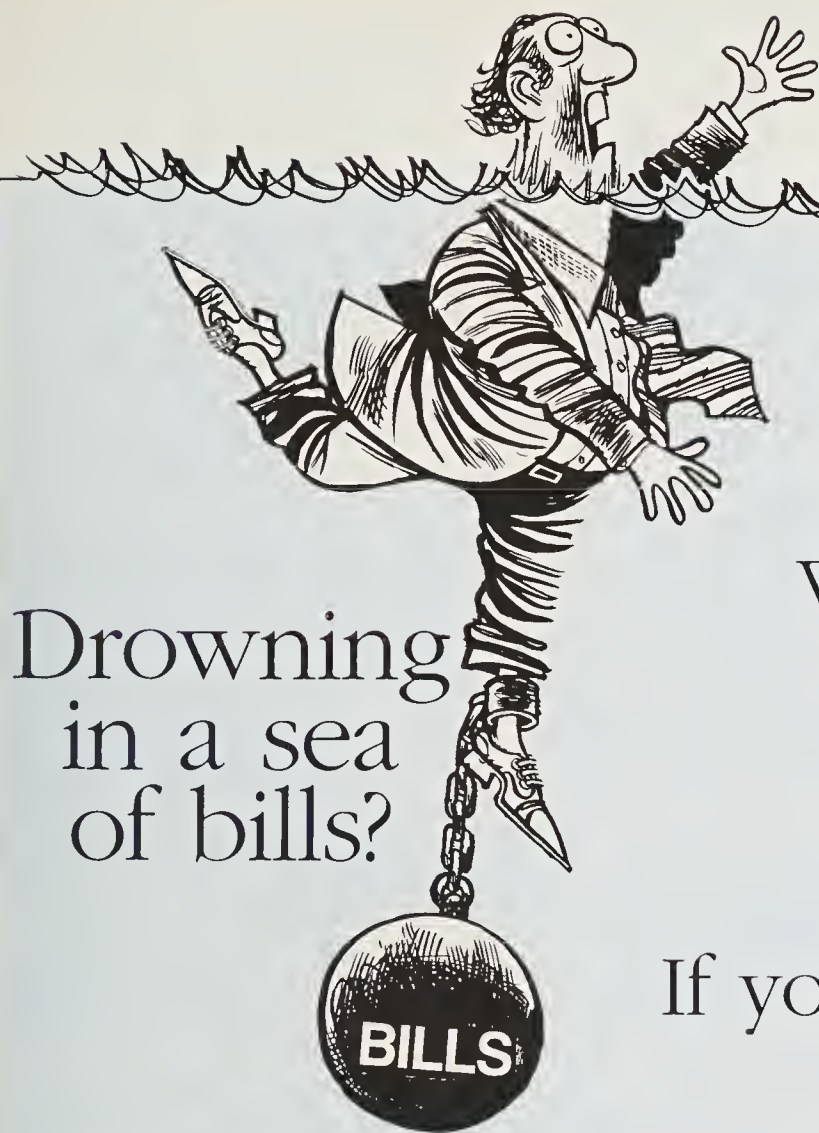
The boomerang-shaped Crescent cooktop from Jenn-Air's Blue Creek line of appliances fits anywhere on a countertop — even in a corner. Coated with a treated resin, the cooktop won't burn, stain, melt or dent. Four radiant elements have the power of five — because one is a dual element combining high and low power. The cooktop, which is available only through interior designers, certified kitchen designers and architects for around \$2,400, comes in black granite, lapis, jade, gray granite, sandstone, ivory, slate, Teton gray and plum. Call 800-244-1491 for more information.

4 Keeping cool.

The most energy-efficient way to cook a meal is on an induction cooktop, which supplies heat — the precise amount you want without any warm-up time — only when a pot is sitting on it. Remove the pot, and the heat automatically stops. An added benefit is a cool-to-the touch cooktop that won't burn curious little fingers or cook spills that touch its surface. Cooks must use metal pots and pans on an induction cooktop; glass or other utensils won't activate the heat. The GE Profile induction cooktop model JP69R (shown) sells for around \$1,150. Call the GE Answer Center at 800-626-2000 to find a dealer near you.

5 Switch hitter.

It's partly grill (or griddle) and partly traditional stovetop. Cooks using GE Appliances' modular cooktop can choose from among four cooking elements. Buyers may top the porcelain-enameled cooktop (model JP385WV) with a combination of traditional electric burners (shown); ribbon heating elements that allow even heat to be directed straight up to the pan for high-speed heat-up; a griddle, or a grill (shown). Prices start at \$439. To find out who sells this model in your neighborhood, call the GE Answer Center at 800-626-2000.



Drowning
in a sea
of bills?



Come up for air
with a low-interest
bill consolidation
loan from The
Mortgage Outlet!

If you're a homeowner,
we can help!

Compare your budget:

\$14,500	Mortgage	\$255.00
7,500	Auto Loan	\$310.00
1,500	Mastercard	\$85.00
1,500	Visa	\$75.00
\$25,000	Old Payment	\$725.00

Why not one **NEW** payment of
\$249.86 instead?

You **SAVE** \$475.14/mo.
\$5,701.68/yr., tax-free!

Your payments with a bill consolidation loan from The Mortgage Outlet:

<u>Loan</u>	<u>Payment</u>
\$25,000	\$249.86
\$35,000	\$349.81
\$45,000	\$449.75
\$55,000	\$549.70

(Larger & smaller loans available)

**All payments based on 360 mo. Rate 7.99%/8.38 apr.
Subject to credit. Rate subject to change.*

We have programs for: •Self-employed •Unable to verify income
•Doublewide homes •Credit problems understood

The Mortgage Outlet, Inc.

Apply by Phone: 1-800-365-9017



Mon. - Thurs.
8:30 am - 8 pm
Fri. 8:30 am - 5 pm
Sat. 9 am - 12 noon

Multi-State Mortgage Licensee 1220-D Kennestone Cir. Marietta, GA



by James Dulley

"Sick house syndrome," or stale indoor air, can be a year-round problem. The Environmental Protection Agency has listed poor indoor air quality as one of the top five environmental issues. At a minimum, a house should have one complete air change every two to three hours.

A typical older house naturally had about one air change every hour. This was due to leaks, natural stack effect, and combustion air used for furnaces and water heaters. With the introduction of more electric heat and heat pumps, the latter air change component was eliminated.

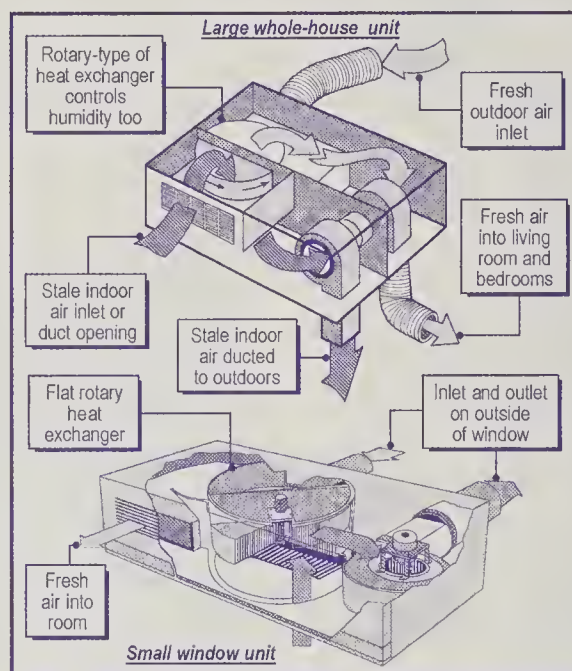
The problems of inadequate fresh air are many. An unhealthy airtight house can have carbon dioxide levels two to six times higher than outdoors. This can make one feel sluggish and sleepy. Other common pollutants come from household cleaners, gases from furniture and carpet, mold spores, cooking, even air fresheners. High indoor humidity levels in the summer increase air-conditioning costs. This forces you to set your thermostat lower to feel comfortable.

Installing a heat recovery ventilator (HRV) is the most efficient method to bring in fresh outdoor air year-round. There are many designs ranging from ducted whole-house models to small portable window-mounted units. The small air circulation fans use only about 100 watts of electricity - about as much as a light bulb. This is much more efficient and controlled than just opening windows or relying on the wind.

HRV's incorporate one of several designs of heat exchanger cores. In the winter, cold incoming fresh outdoor air picks up heat from warm outgoing stale indoor air. The stale indoor and fresh outdoor air paths are sealed from one another so no pollutants are transferred. HRV's save from 65 to 80 percent (efficiency) of the energy from the outgoing stale air.

In the summer, the air flows through the same heat exchanger, but the heat flows in the opposite direction. The cool outgoing stale air pre-cools the incoming fresh air. If you have allergies, select a model with a pre-filter for the incoming air. Most filters are washable and reusable. Raydot offers an optional hospital-quality HEPA filter with a charcoal element.

Heat recovery ventilators bring fresh air into your house



In hot or humid climates, or to control mold and dust mites for year-round allergy relief, select a HRV with an enthalpy type of heat exchanger. Most enthalpy type units use a rotary honeycomb design, some with a desiccant coating for greater moisture removal. This rotating drum also picks up and transfers moisture along with the heat. Altech and Mitsubishi, use an efficient fixed cross-flow heat exchanger made of special moisture permeable materials.

Small window units are the easiest to install. These lightweight units mount in windows just like an air conditioner and can be moved from room to room. Larger through-the-wall models are also easy to install. The fresh air gradually circulates

throughout the entire house. These operate very quietly with many internal components attached by rubber mounts.

Whole-house models can be ducted into your existing heat pump or furnace ducts. They can also have their own duct systems if you have baseboard electric or hot water heat. The indoor stale air intakes are often located in the bathrooms, kitchen and laundry. The fresh air outlets are located in the living room, dining room and bedrooms. The entire unit weighs only 70 pounds and is about 31 inches long.

A variable-speed HRV provides the most precise control so you can fine tune it to changing conditions. For example, if you have a party with guests who smoke, you can quickly set it to a higher speed. Most HRV's can also be set for timed operation. In humid areas or for allergy control, choose one with a humidistat control.

All HRV's have separate inlet and exhaust fans. The inlet fan should be set to a slightly higher speed than the outlet fan. This creates a very slight positive air pressure inside the house to block unfiltered outdoor air, dust, pollen, etc. from naturally migrating indoors through cracks. In areas prone to high levels of radon gas, this is a great advantage.

Write for Update Bulletin No. 559 - a buyer's guide of 21 whole-house and window HRV's listing air flow rates, heat exchanger types, efficiencies, warranties, prices and a size selector chart. Please include \$2.00 and a business-size self-addressed, stamped envelope, and mail to James Dulley, Carolina Country, 6906 Royalgreen Dr., Cincinnati, OH 45244.

To rush bulletin delivery or read 150 previous columns, see our Web site at <http://www.dulley.com>.

Copyright 1997 by James Dulley, a syndicated columnist with the National Rural Electric Cooperative Association.

METAL BUILDINGS



You Need a Building
and You Need it **FAST!**

We have the answer!

MORCO EXPRESS BUILDINGS

Delivered to your job site in
4 weeks or less!

MORCO Metal Building Systems, Inc.
1-800-756-1798

BUILD A BETTER BUILDING LARGE SAVINGS

- NEW**
- Easy to Assemble
 - Quick Delivery
 - Built to Last
 - Straight Sides
 - Trussless
 - All Steel
 - Other Shapes Available
 - 20 Year Guarantee

GUARANTEED LOWEST PRICES

FACTORY DIRECT 1-800-668-5422

- Sizes 500-20,000 sq. ft.
- Strongest for Wind & Snow
- Heavy 22, 20 & 18 ga. steel
- Maintenance Free

SALE PRICE

FOR EXAMPLE - 30' X 40'

\$5,444⁰⁰

INCLUDES ENDS
AND 4' X 7' MAN DOOR

STEEL BUILDINGS
http://www.pioneersteel.com

• STEEL BUILDINGS •

DISCOVER THE ADVANTAGES OF STEELMASTER'S MASTERCREDIT PLAN

**FREE 16
PAGE COLOR
BROCHURE**

- **Easy Financing Available!**
- **100% Open and Usable Space!**
- **Maintenance-free Durability**
- **Do-it-Yourself Construction**

Save on Select Sizes:

25 x 36 • 30 x 48 • 45 x 82 • 50 x 120



*You can have the building you need
and never talk to the bank.*

Call Now for **FREE Info**

1 800 888-4606

We've Got Mobile Home Owners Covered.

Royal Home Improvement customers know what
a new Royal Roofover means.

No More:

- Leaky roof
- Recoating your roof
- High energy bills
- Roof rumble

Instead You'll Have:

- Permanent roof
- Tripleseal protection
- Lower energy bills
- 25 year warranty
- Added value of home
- No more roof rumble
- All aluminum roof
- 100% financing
- Free estimates
- Shop at home service
- Single or double wide

*Southeast's Largest
Royal Roofover Dealer*



Royal
Home Improvements, Inc.
Serving the entire Southeast

(800) 462-8039

100% Financing • Free Estimates
Shop at Home Service



Unscramble It!

It has been said that two wrongs don't make a right,

Now use the clue given in the puzzle on the left to solve the puzzle below. Each letter stands for a digit.

— — — — —
u d e e r b s s

— — — — —
a s c e l n m

Use the capital letters below to fill in the blanks above

means "B D E F H L O R S T U"
unscrambled

L E F T

x

F

R I G H T

Math Words

Letters have been substituted for numerals in this division problem. If S=4, can you replace the missing numerals to make the problem mathematically correct? Repeated letters stand for repeated numerals.

So SORT it Out

OUT
T | SORT
4
SO
4
R
T
IT
IT

For 10 more puzzles like this one, send \$1.00 and a stamped self-addressed envelope to JOYNER'S CORNER, Puzzle Page #1, 901 Greenwood Dr., Hendersonville, NC 28791.

Southern Exposures

When Senator Sam Ervin retired from the Senate he returned to his home in Morganton and resumed his law practice, "after a fashion." It was there that TV newsman David Brinkley, a fellow North Carolinian, visited him and commented on the 14-foot high shelves in the library, filled with law books.

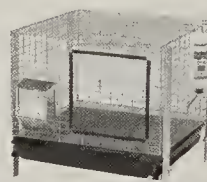
"Judge," Brinkley asked, "what happens if you get a legal case that required you to use a book from that very top shelf?"

"I wouldn't take the case," said Senator Sam.

(solutions on page 35)

Woof. Arf. Purrr. Meow. Whinney. Nuzzle. Chirp. Sniff.

At Southern States, we understand that many animals are more than just pets... they're members of your family. That's why you can count on us for a wide selection of top quality, name brand products and expert advice to help keep these special family members healthy and happy.



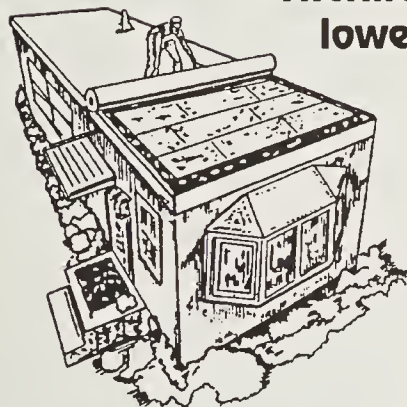
SOUTHERN STATES

**As Seen
On TV**

The Insulated Mobile Home Roofing System



**Thermal Tech, the affordable roof system that
lowers power bills in winter and summer.**



\$100 Rebate

**Call today for a FREE
Roof Inspection and Estimate**

**THERMAL
TECH ROOFING
1-800-849-5715**

Decide for Yourself

Old Metal Roof

vs.

New Thermal Tech

- ☐ Expensive heat escapes thru the roof
- ☐ Condensation forms in the attic
- ☐ Attic condensation freezes there and in walls
- ☐ Furnace or heaters usually run all day and night
- ☐ Leaks let water ruin ceiling, walls and floors
- ☐ Seal, paint, repair every year
- ☐ Rumbles in winter wind
- ☐ Deteriorates annually

- ☐ Thick insulation retains heat in your home
- ☐ No attic condensation
- ☐ No condensation forms
- ☐ Heat source runs only as needed
- ☐ No leaks
- ☐ Maintenance-free and guaranteed lifetime warranty
- ☐ Quiet in the worst storms
- ☐ Adds to the value of your home

HOMEOWNER LOANS

WHEN BANKS SAY NO . . . WE SAY, YES!!!

1ST MORTGAGES

	360 Months	180 Months
<u>Amount</u>	<u>*8.375%</u>	<u>*7.875%</u>
\$50,000	\$354.94	\$474.22
\$75,000	\$543.80	\$711.34
\$100,000	\$760.07	\$948.45
APR	*8.68%	*8.29%

CREATIVE PROGRAMS AVAILABLE

**No Application
Fee**

**Quick
Approvals**

Fast Closings



EQUITY LOANS

DEBT CONSOLIDATION

	<u>Payment</u>	<u>Balance</u>
Auto	\$291.00	\$13,000
Mastercard	\$120.00	\$3,200
Visa	\$190.00	\$4,500
<u>Medical</u>	<u>\$200.00</u>	<u>\$3,000</u>
Total	\$801.00	\$23,700
Your old monthly payment	\$801.00	
<u>Your new monthly payment</u>	<u>\$254.53</u>	
<u>\$\$\$ You Save Monthly \$\$\$</u>	<u>\$546.47</u>	
\$6,557.64/ yearly savings		

Based on \$25,000 Loan/180 Months/*8.99%/APR 9.45%*

Pre-Qualify by Phone

FEDERATED MORTGAGE, INC.

(800) 466-1635 or (800) 854-2336

- Effective 6/1/97
- Rates subject to change and qualification
- APR may vary

Fixed Rates



July 4th Celebration

July 4, Aberdeen
Children's activities, parade, speeches/dignitaries. Aberdeen Lake. 10 a.m. Fireworks, 9:30 p.m. (910) 944-5902.

Parade

July 4, Boone
Downtown. 3 p.m. Free. (704) 262-4532.

Old Fashioned Independence Day

July 4, Pinehurst
Flag raising, dignitaries, pet and cart parade, music and entertainment, barbecue. 10 a.m.-2 p.m. Fireworks, 9 p.m. at Pinehurst Harness Race Track. Free. (910) 295-2473.

Horse Show

July 4-5, Sparta
26th Annual Lions Club Horse Show. Parade, barbecue, horse pull, horse show, live music, clowns, fireworks. Carlisle Higgins Center. Begins at 11 a.m. Adults, \$4. Children, \$1. (919) 372-6196.

Highland Games

July 10-13, Linville
42nd Annual Grandfather Mountain Highland Games & Gathering of Scottish Clans. Grandfather Mountain. Events all weekend. Demonstrations and games. (704) 733-1333.

Southern Highlands Craft Fair,
July 17-20, Asheville



Gallery Reception

July 11, Boone
Sponsored by the Watauga County Arts Council. Jones House Community Center. 6:30-8 p.m. Free. (704) 264-1789.

Festival on the Square

July 11-13, Hayesville
Arts, crafts, entertainment, barbecue. 9 a.m.-5 p.m., Saturday; noon-5 p.m., Sunday. Street dance Friday.

Poetry Festival

July 12, Southern Pines
Sam Ragan 19th Annual North Carolina Poetry Festival. Weymouth Center. 10 a.m. Free. (910) 692-6261.

Cat Show

July 12-13, Greensboro
Cat Fanciers' Association All-breed Championship sponsored by Central Carolina Cat Fanciers. Greensboro Coliseum. 10 a.m.-4 p.m. Friday & Saturday. Author Lilian Jackson Braun will autograph book. 1-3 p.m., Saturday only. Adults \$5, seniors \$3, children \$2. (910) 282-3089.

Carnival! 97

July 15-19, Brevard
Fifth year benefiting Transylvania Community Hospital. Proceeds assist patients with chronic pulmonary disease. Rides, Bingo, live music, clowns, balloons, midway treats. South Broad Street. 5-10 p.m., Tuesday-Friday, 1-10 p.m., Saturday. Free. (704) 877-4777.

Southern Highlands Craft Fair

July 17-20, Asheville
50th year. Southern Highland Craft Guild exhibits. Crafts, folk dancing, music, demonstrations. Asheville Civic Center. 10 a.m.-6 p.m. Group rates available, children free. (704) 298-7928.

Fiddlers Convention

July 18-19, Sparta
Bluegrass bands, old-time bands, vocals and dancers. Higgins Agricultural Fairgrounds. Competition both days. Special entertainment, 6 p.m. Friday & Saturday. Adults \$6/one day, \$10/both days. Children free with adult. (910) 372-2033.

Tuscarora Pow-Wow

July 18-19, Windsor
Southern band of the Tuscarora Nation. Authentic Indian crafts. Canoe race through the wetland area. Windsor Area Chamber of Commerce: (919) 794-4277 or Ed Livingston (Tuscarora Nation): (919) 358-2426.

By Popular Demand!

July 18-20, Shelby
"Smoke on the Mountain" presented by GSCT and Cleveland Community College Student Foundation. Same cast. 8 p.m. Friday & Saturday; 2 p.m. Sunday matinee. (704) 484-8381.

Outdoor Jazz

July 21, Pinehurst
Sandhills Community College. Rain location Owens Auditorium. 4:40-6 p.m., picnic; 6-8 p.m., concert. Free. (910) 695-3829 or (910) 692-6185.

Macon County Gemboree

July 23-27, Franklin
32nd annual festival of sales, special exhibits, equipment. Macon County Community Building. 10 a.m.-6 p.m., July 23-26; noon-5 p.m., July 27. Adults \$2, under 16 free. (800) 336-7829.

Tour of Homes

July 25, Blowing Rock
St. Mary of the Hills Episcopal Churchwomen's 37th Annual Tour of Homes. 9 a.m.-4 p.m. \$15. (704) 295-3288.

"High Country Crank-Up"

July 25-27, Boone
Antique engines, steam engines, tractors, model engines, cornmeal grinding, flea market, food. High Country Fairgrounds. Gates open 9 a.m. Adults \$3, children free. (704) 264-4977.



Ben Long Frescoes, Through
August 24, Charlotte



FolkMoot USA,
July 17-27, Waynesville

Robbins Farmers Day

Aug. 1-2, Robbins
Arts, crafts, entertainment all day, mule jump, draft horse demonstration. 6 p.m. - 1 a.m., Friday; 8 a.m.-midnight, Saturday; Parade, 11 a.m., Saturday.
(910) 948-3746.

Mt. Mitchell Craft Fair

Aug. 1-2, Burnsville
41st annual fair. Arts, crafts, music, food. Burnsville Town Square. 9 a.m.-7 p.m., Friday; 9 a.m.-5 p.m., Saturday. Free.
(800) 948-1632.

McDowell County Agricultural Fair

August 2, Marion
Junior livestock and fair exhibits, 9 a.m.-5 p.m. Horse show, 6 p.m. McDowell Agricultural Center. Free.
(704) 652-7121 Ext. 226.

Jazz Quintet

Aug. 2, Sparta
Todd Wright Quintet performs mainstream jazz in the Summer Music Series of Alleghany. 8 p.m., Sparta School Auditorium. \$6 adults, \$4 children.

Ongoing Events

Bob Timberlake Art

Through July 20, Salisbury
"Bob Timberlake: Celebrating 60 Years." Birthday exhibition of original Bob Timberlake paintings. Waterworks Visual Arts Center. "Bob Timberlake Day," July 13, 2-5 p.m. Free. (704) 636-1882.

An Appalachian Summer

Month of July, Boone
A series of concerts and films. Appalachian State University Farthing Auditorium. Times vary. (704) 262-4046.

Art Exhibition

July 1-30, Hickory
Catawba Valley Visual Art League features Paulette Taylor's new oil paintings. More Art Gallery in Valley Hills Mall. Open daily except Mondays. Mall hours. Free.
(704) 328-8183.

"Uptown After Five"

July 10-July 31, Shelby
"Shelby Alive" concerts, food and beverages. "Blaze," July 10. "Cross Creek," July 17. "Cigar Store Indians," July 24. "Sugarfoot," July 31. Washington Street. 5-8 p.m. Free.
(704) 484-3100.

Folkmoot USA

July 17-27, Waynesville
14th N.C. International Folk Festival in eight mountain communities. Dancers and musicians from 11 countries. July 18 parade and July 26 world bazaar in Waynesville. For a schedule: (704) 452-2997 or www.folkmoot.com

Ben Long Frescoes

Through August 24, Charlotte
Drawings and studies of Long's frescoes at five North Carolina sites. Mint Museum of Art. 10 a.m. -10 p.m., Tuesday; 10 a.m. - 5 p.m., Wednesday-Saturday; noon-5 p.m., Sunday. Prices vary. Tuesdays & Sundays free. (704) 337-2000.
<http://www.mintmuseum.org>

Deadlines:	Sept. issue	July 25
	Oct. issue	Aug. 25
	Nov. issue	Sept. 25

Send notices to Carolina Country
P.O. Box 27306
Raleigh, NC 27611

SPRING SAVINGS SPECIALS!
BUY NOW
AND SAVE
\$ \$ \$ \$ \$



INSTALLATION
INCLUDED
ON IMPERIAL POOLS ONLY

Introducing '97
pools at '96
prices!
***FREE!**
Order now and
we'll include
\$100. worth of
pool chemicals!

While They Last!
THE MARINER
Brand New
31' x 19'
family size pool
\$799
Includes
Sundeck,
Fence
and Filter
Installation Extra

THE IMPERIAL*

- Filter and Pump
- Set-in Vinyl Lining
- Heavy Gauge Bracing
- Sun Deck
- Full Walk Deck
- Fence and Stairs
- Pool Ladder

ASK ABOUT OUR COMPLETE
LINE OF ALUMINUM POOLS
MOBILE HOMES WELCOMED

NO MONEY DOWN
EASY FINANCING

FREE SHOP AT HOME
SERVICE 24 HOUR
TOLL FREE SERVICE
DAILY AND SUNDAY

CALL NOW 1-800-241-5200

SUPERIOR POOLS

Presenting...
**The DR® FIELD and
BRUSH MOWER**

-- the amazing walk-behind brush cutter that --

CLEAR & MAINTAINS meadows, pastures, woodlots, wooded and rough non-lawn areas with ease. **CUTS** tall grass, weeds, brambles, tough brush and saplings up to 1" thick.

CHOPS/MULCHES most everything it cuts. Leaves **NO TANGLE** of brush to pick up like hand-held brushcutters and sicklebar mowers. Perfect for low-maintenance wildflower meadows, European-style woodlots, walking paths, or any area you only want to mow once a month or once a season!



MADE IN
USA

Optional
Electric-
Starting
Available

Toll
FREE
1-800-
682-5656

Please mail this coupon TODAY for complete **FREE** DETAILS of the DR® FIELD and BRUSH MOWER including prices, specifications of Manual and ELECTRIC-STARTING Models, and "Off-Season" Savings now in effect. There is no obligation.

Name _____
Address _____
City _____ State _____ ZIP _____
To: COUNTRY HOME PRODUCTS, Dept. _____
Meigs Road, P.O. Box 25, Verdensburg, NC 27684

the marketplace

1 (800) 662-8835
ext. 307 or 310.

FLORISTRY
Learn Flower Arranging quickly and easily at home!
Design professional arrangements, corsages and specialty displays. Start your own profitable business or hobby. Diploma awarded. **FREE BROCHURE** describes opportunities. *No salesmen.*
Write or call today! 1-800-326-9221 2071
Lifetime Career Schools, Dept. DVO277 Accredited Member, Distance Education & Training Council
101 Harrison St., Archbald, PA 18403

FREE HEARING CATALOG!
• 45 DAY TRIAL
• \$199 & UP
BETTER HEARING
DEPT B34, Brookport, IL 62910
1-800-320-3300 EXT B34

Modern Lightning Protection Company
40 years experience
protecting homes and buildings.
Raleigh/Greenville
Call toll-free 800-368-8090
24 hours a day



The Patterson School
in the Foothills of the Blue Ridge Mountains

Co-ed • Small Classes • College Prep • Work Program
Post Graduate Classes • Summer School • Est. 1911
Grades 9-12 Boarding • Grades 7-12 Day
P.O. Box 500 Patterson North Carolina 28120
800-953-2760 • 704-758-2374 • Fax 704-758-9171

\$ \$ NEED MONEY? \$ \$ LOVE CRAFTS? \$ \$
Get paid for assembling craft products at home! **Great Extra Income Idea**
1-800-377-6000 EXT.527

CHURCH PEWS PADDED
by CAMPBELLS



PADDING YOUR
OLD PEWS
FOR ABOUT 1/3
THE COST OF NEW PEWS
"Satisfied Customers Statewide"

- Quality Materials
- Expert Workmanship
- Written Guarantees
- Free Estimates

Call collect
(919) 772-5238
Raleigh, N.C.
Write 4612 Meadow Lake Drive
Apex, N.C. 27502

STEEL DEPOT
METAL BUILDING SYSTEMS

"The Name To Look For In Quality Steel Buildings"

1-800-541-0302

From 20 X 40 up to 200 X Unlimited
Lowest Prices X Highest Quality
From \$3,650 Up
Also Lowest Price on Mini- Storage

**SPRAY-ON
FOAM INSULATION**

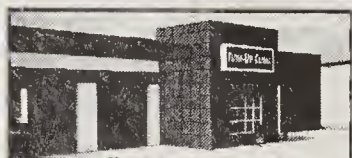
- Metal Buildings
- Coolers
- Tanks
- AG Storage/Shops

Free Estimates
20 years serving NC, SC, VA

1-800-682-4330
Carolina Foam Insulation, Inc.
Dunn/Erwin, NC



BUILDING SYSTEMS, INC.
We will match any deal with Quality Steel!



ARCO Building Systems has been named by Metal Construction News as the 5th largest builder of metal buildings in the United States. We offer, **Direct to the Consumer**, the highest quality all steel buildings available, as well as the engineers to answer all your questions. With ARCO, you receive the most attractive, maintenance free building on the market with the service to match.

People Who Know Buy ARCO

30X40X10.....	\$ 4,194
40X60X12.....	\$ 7,947
50X75X10.....	\$10,172
60X100X12.....	\$15,750
60X75X12.....	\$12,263
50X100X12.....	\$13,186
100X100X12 w/column.....	\$22,977
100X150X14 w/column.....	\$34,981

F.O.B. Plant - All Sizes Available
Codes may affect prices

1-800-241-8339

ARCO BUILDING SYSTEMS, INC.

3300 Holcomb Bridge Rd.
Norcross, Georgia 30092

Includes all material, erection,
freight & sales tax
NO HIDDEN EXTRAS!



42'x48'x12' \$7,688.00
24'x36'x10' \$3,898.00

Agri-Steel Structures

P.O. Box 1257 • Woodstock, GA 30188
1-800-359-8613

43 Years

In The
Business

STEEL BUILDINGS

SONNY'S INC.

30'x 40'x10'	\$3,999 ⁰⁰
40'x 60'x12'	\$7,520 ⁰⁰
50'x 75'x10'	\$9,800 ⁰⁰
50'x100'x12'	\$12,600 ⁰⁰
60'x100'x12'	\$15,140 ⁰⁰
100'x100'x14' (MI)	\$22,500 ⁰⁰

ALL SIZES AVAILABLE - WE WILL MATCH ANY PRICE
THE WAY TO BUILD TODAY

1-800-524-3939

Buckeye Steel Buildings

1-800-483-3562

0 x 40 x 10	\$ 4,094
0 x 75 x 10	\$ 8,394
0 x 100 x 12	\$13,243
0 x 100 x 12 (w/columns)	\$22,577



• All sizes & mini storage • 26-gauge roof and walls
All major credit cards are welcome for engineering deposit
3300 Buckeye Tower
Atlanta, GA 30341

GOSPEL PIANISTS & ORGANISTS

Exciting Book & Cassette



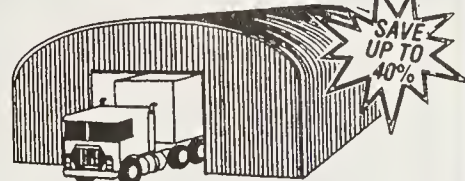
"PLAY GOSPEL SONGS BY EAR!" Shows how to play and chord any hymn you've ever heard—entirely by ear! Find the right starting note, add chords, play in easy keys. Book \$7.95.

Cassette gives more explanations & illustrates how songs sound. Includes chord chart showing 84 chords. Cassette \$7.95. Both \$14.90 ppd. **GUARANTEED!** (Specify piano or organ).

DAVIDSON, 6727 C Metcalf, Shawnee Mission, KS 66204

WORKSHOP SALE

Super Huge Factory Direct Savings
STEEL BUILDINGS



- * 20 Year Warranty
- * Simple Fast Erection
- * All Steel - Maintenance Free

25 X 32 (1 Left) 50 X 100 (1 Left)
30 X 44 (2 Left) 55 X 200 (1 Left)
40 X 62 (3 Left)
Some Other Models Available

Factory Direct
(800) 548-6871 BR

American
Steel Span

TAN AT HOME!

SUNVISION™

WOLFF
Tanning Beds

BUY DIRECT

& SAVE UP TO 50%!

• All for **FREE** 64-page Color Catalog
• Lowest Prices in the USA!
• Financing as low as \$20/MO.
• Home Delivery

1-800-842-1324

Premier

Building Systems



1-800-882-5150



The more you look, the better we look!

30 x 40 x 10.....	\$4,519
40 x 75 x 10.....	\$8,594
50 x 100 x 12.....	\$13,543
60 x 100 x 12.....	15,706
100 x 150 x 14 w/column...	\$34,897

All sizes available & mini-storage units,
26 ga., 20 year roof & walls.

LYRIC CHOIR GOWNS

"Professionally tailored gowns
of lasting beauty."

FREE
catalog and
fabric samples.

Since 1955...

LYRIC
CHOIR GOWN CO.

P.O. Box 16954-RP
Jacksonville, FL 32245

CALL TOLL FREE
1-800-847-7977



It's our Building BLOWOUT SALE!

You just can't beat these prices!

30 x 50 x 12.....	\$5,396
40 x 60 x 12.....	\$7,348
50 x 100 x 14.....	\$13,699
60 x 100 x 12.....	\$15,148

All 26 gauge, 20 yr. roof and walls

1-800-531-6575

**You buy the POOL...
We'll throw in the PARTY!***

*Pool Party
includes food
and beverage
- \$150 value!*

(Prior sales excluded)



E-MAIL US AT
pools@esn.net

**3-Day
Installation!**

Summer Savings - While They Last!

\$888*
ONLY

*Shipping & handling extra

Includes
Sundeck,
Fence &
Filter

**100%
FINANCING***
*Installation
Optional & Extra

THE MARINER
Brand New 15' x 24'
Family Size Pool
O.D. 19' x 31'

VISIT US AT <http://tropical-pools.com>

HOME OWNERS ONLY-CALL NOW -
CALL TOLL FREE - FREE HOME SURVEY

*Pool Party valid only with
purchase of Pro Pool or
Aluminum Series Pools

1-800-761-1064

Limited Area
No Single Wide Trailers



CHOIR ROBES EXPERT TAILORING \$2895 UP

Finest Fabrics including
Permanent Press and Wash &
Wear. Superior Quality. Free Color
Catalog and Fabric Swatches on
Request. *Guaranteed Satisfaction.*
Toll Free 1-800-826-8612

REGENCY
CAP & GOWN CO.

P.O. Box 8988-N
Jacksonville, Florida 32211





Hank's Gardening Guide

by Hank Smith

Humidity and heat characterize July, yet they do not signal a stalemate in gardening enjoyment. Nor do they halt gardening chores. In July, tender spring growth of shrubs has matured to a good stage for use in rooting cuttings or layering low-growing limbs. Now's the time to provide continuing color throughout autumn months. It's also time to begin preparation for planting vegetables to harvest this fall. Be alert for mineral deficiencies in the summer vegetable garden. Gather crops regularly to keep plants productive. Keep alert for diseases and garden pests that thrive in sultry weather. Give spraying and dusting top priority as you tend your July garden—unless you are a dedicated organic gardener.



Rose



Marigolds

Bearded Iris



Azaleas

Prepare for iris

Preparing beds for bearded iris will allow soil to settle before rhizomes are planted in late July or early August. Dig soil at least 18 inches deep. Break up any heavy clumps. If soil is heavy clay, the addition of well-rotted sawdust or peat moss will help to improve drainage. Spade in a complete fertilizer such as 8-8-8 or 10-10-10, one pound per 100 square feet. Mix thoroughly to prevent root burn of newly planted rhizomes.

Iris grows best in full sun. A southern exposure with good air circulation will produce the finest plants and quality blooms.

Clip off spent roses

Roses need your attention. Removing faded blooms of hybrid teas and floribundas will encourage formation of more blooms. Cut each stem above the first leaf that bears five leaflets. If you've failed to mulch, apply a good cover to the rose bed. This helps retain moisture as well as helping to keep down weeds. Keep a close eye on plants for invasions of insects and diseases. Attack before they encamp.

Cuttings

If your landscape plan calls for more shrubs, take cuttings in July or August. Among those easily propagated now are the holly group, azalea, pittosporum, and camellia. Make 5- to 6-inch cuttings of tender tip growth, leaving two to four leaves opposite the cut end. Leaves provide nourishment to the cutting.

Vegetables

Corn, melons, and okra are long-season crops and should be planted now to assure maturity before frost. All short-season crops do well in the fall garden: peppers, cabbage, tomatoes, broccoli, beets, carrots, mustard, cucumbers, radishes, and spinach.

Start peppers, tomatoes, broccoli, and cabbage indoors for later transplanting outside. Suckers (clones) from tomato plants grown in the spring garden can be rooted easily. This way you keep the varieties you prefer. For those grown from seed, keep soil moist for good germination and subsequent growth of seedlings. Fertilize lightly but frequently to keep plants in vigorous growth.

Thirsty trees

Lack of water is the prime cause of midsummer tree problems. Two common symptoms are excessive leaf drop and stunted growth. Water deeply if rainfall is scant. Use a watering rod stuck six to eight inches into the soil, or let water trickle from the garden hose for a period of several hours.

Bedding plants

Many flowering annuals used during spring and summer can be grown during fall months. Now is the time to sow seeds of zinnias, petunias, marigolds, periwinkle, cockscomb and morning glory for flowers before frost.

Extend indoor flower joy

To make blooms cut from flower beds last longer, try these suggestions: Always cut flowers in late afternoon, after they have had a full day of sunshine. Place flowers in a deep container filled with lukewarm water. Place container in refrigerator until it has frosted on the side. Then remove and keep in a cool place until ready to arrange flowers. A clean vase is important. Wash in soapy water. If the container has "rough spots" on the interior, they probably were caused by residue of salts or water impurities. Remove these deposits by using a dental cleaner and a toothbrush to scour. Rinse well with clear water.

Joyner's Corner Answers



4896/6 = 816
SORT/T = OUT
Math Words

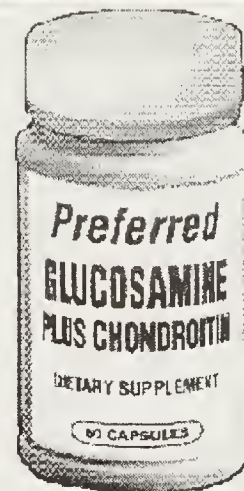
9135 x 3 = 27405
LEFT x F = RIGHT
But three lefts do.
Unscramble It!

THE ARTHRITIS CURE *

"THE MEDICAL MIRACLE THAT CAN HALT, REVERSE AND
MAY EVEN CURE OSTEOARTHRITIS"

* Best Selling Book Written by
Dr. Jason Theodosakis M.D.

This best selling book reviews and explains that using a nutritional supplement containing – glucosamine and chondroitin – may halt, reverse, and even cure osteoarthritis. Extensive research into the effectiveness of these two nutrients has already been completed in Europe and the findings indicate they assist in repairing cartilage damaged by the savages of arthritis. In his book Dr. Theodosakis reveals a nine step program to increase the likelihood of a successful recovery. Now glucosamine and chondroitin sulfate are available without a prescription as a nutritional supplement.



To order direct, send a check or money order for \$29.95 for 1 bottle of 60 capsules or \$55.90 for 2 bottles of 60 capsules each (save \$4.00) to:

The Reese Company
P.O. Box 1957, Dept. NC
Cleveland, OH 44106
Call us direct 1-800-321-7178

Prices include postage and handling, when ordering by phone, ask for retail sales desk. MasterCard or VISA cards accepted. NO COD's.

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

NEW "HYBRID" TRIMMER/MOWER™!

...takes the place of both your hand-held
trimmer and steel-bladed mower!

The DR® TRIMMER/MOWER™
...is light as a feather™ on two
BIG WHEELS! TRIMS far
easier, better, more precisely
than hand-held trimmers. Plus
MOWS everything from
whole lawns (even wet!) to
tough, waist-high growth with
ease! Rocks, roots, stumps,
etc. do it no harm because
the "DR"™ has no steel blade
to bend or dull. Perfect for
A... mowing and trimming
around smaller properties,
vacation homes,
etc. or for finish-
up mowing and
trimming after
rig mowers
on larger par-
ce. A delight
for anyone
to use!



Patented

Toll
FREE
1(800)
682-5656

MADE IN USA

Please mail this coupon today for FREE DETAILS about
the revolutionary DR® TRIMMER/MOWER™ includ-
ing prices and specifications of Manual and Electric-
Start Models, and "Off-Season" Savings now in effect.
There is no obligation.

Name _____
Address _____
City _____ State _____ ZIP _____

COUNTRY HOME PRODUCTS®, Dept. 2773
P.O. Box 25, Vergennes, VT 05491

© 1997 CHP, Inc.

WE'RE YOUR ONE-STOP BUILDER

WE'LL BUILD THE HOME OF YOUR DREAMS...
RIGHT ON YOUR LOT.

If you own land, you may qualify for 100% financing. We feature
26 floorplans priced from the \$60's that include well and septic
allowance, backfill, fine grading, trash removal and seed and
straw. To find out more about moving into your new home, call
one of our toll free numbers:

Charlotte Greensboro
1-800-544-9139 1-800-896-7922

American
Family Homes

"We are pledged to the letter and spirit of U.S. policy for the achievement of equal housing opportunity through the Nation.
We encourage and support an affirmative advertising and marketing program in which there are no barriers to obtain
housing because of race, color, religion, sex, handicap, familial status, or national origin."



When Larry Cribb retired in January as editor of the South Carolina counterpart to Carolina Country, he used his farewell column to reflect on his career as a writer and editor

— and to pass on a bit of friendly advice to his readers.

I've been one of those readers since Larry became editor of *Living in South Carolina* almost 18 years ago, often putting aside copies of his musings in case I might need to "borrow" some of them for my column. (Some of these "borrowed" comments, freshly unearthed from a dusty file drawer, are reprinted here.)

Over the years, Larry and I came to be friends as we shared journalistic war stories. Larry's editorial persona was a reflection of his own engaging warmth and sharp-edged wit.

My respect for him grew even stronger when I learned about his own health problems and illness in his family. Against this background, I was especially struck by his parting-shot column, which urged his readers to take advantage of every opportunity they have for building "good memories."

Here's what he had to say about it:

In this world of turmoil, the chances are pretty good that one day in your later years those good memories will be mighty important to you. There will be dark days when good memories can bring a ray of light and even instill hope for better tomorrows.

There will be sad days when good memories can help lift you out of depression and give you the will to carry on.

And, there will be days when good memories can help you in your attempts to pass on values, instill a few qualities and perhaps leave a bit of yourself to younger family generations.

I wish I could have built more good memories for myself and my family, but while it is important to start the process early in life, it is never too late to continue the accumulation. Good memories can do nothing but serve you well.

I hope now to be available to help my children and grandchildren expand their building process for the time when they will need to look back and remember the good times.

Larry Cribb Comments

February 1990 - *Why Doesn't Cucumber Start With A "Q"?*

Did you ever try to explain to a four-year-old, who has learned her alphabet and who takes great joy in discovering which letter certain names begin with, why cucumber doesn't start with a "Q"?

You just can't get too many good memories

This little experience has given me a whole new outlook on the world of knowledge. For instance, did you ever stop to think who it was that made the decision that collards and spinach were vegetables instead of weeds? How about crabgrass and nut grass? They're a whole lot easier to grow than vegetables and they'll grow anywhere— even without encouragement. So why don't we eat them?

In the meantime, Grandmother and I will continue to mull over the answer to why cucumber doesn't start with a "Q". I must confess that the more this subject is discussed, the more plausible it seems. I think I'm about to become a convert.

In fact, this spring I think I'm going to plant two rows of cucumbers.

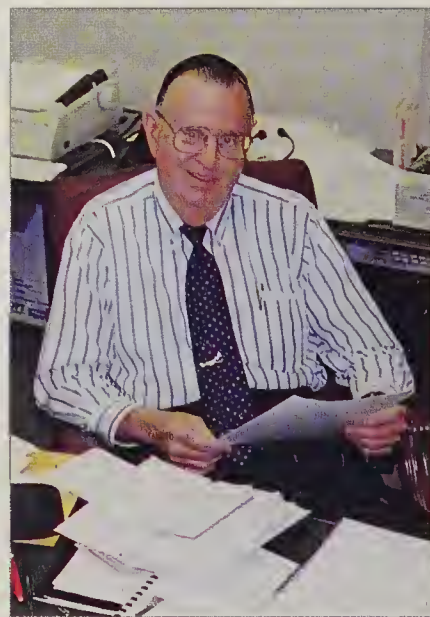
May 1994 — *Model "T"*

This item was inspired by news reports Cribb had read regarding slow sales of American cars amid stiff competition from foreign manufacturers. Under these circumstances, he asked, why do the carmakers insist on turning out new, higher-priced models every year? To make his point, he followed up with a quote from another publication.

"In this era of gaudy, expensive, annually obsolescent automobiles, it is difficult to realize that an American once grew rich by manufacturing the same car in the same model for 19 years. And in the same color of 11 of those years. The man was Henry Ford. The car was his remarkable Model "T". It was an odd-looking contraption, seven feet tall from top to pavement, as ungraceful as a village pump, as eccentric as the village hermit. It went its way making noise like the end of the world. But it wrought prodigious changes in our nation's living; it was a revolution on wheels."

Where did the idea come from that (cars) had to change models every year? Perhaps it was from the same people who convinced fishing tackle manufacturers that if you come out with new models and new colors each year, you'll catch lots of fishermen — not necessarily fish.

I guess we're more sophisticated today than we were when the Model "T" was in its prime, but it still accomplished the same purpose. It got you where you wanted to go and it was a whole lot easier to fix when it broke.



Larry Cribb,
retired editor of *Living in South Carolina*

Classifieds

Business Opportunities

EARN EXTRA INCOME! Assemble craft product at home for best companies. Information Call: 1-800-377-6000 ext. 8825.

NEW! GROW EXPENSIVE PLANTS, 1000% profit, Free Information, Growbiz, Box 306-NC7, Seminary, MS 39479.

ASSEMBLY JOBS! CLERICAL JOBS! Mail processing Jobs! Home workers needed immediately for honest good paying jobs! Send long SASE to: Charlin, Box 58-P, Albuquerque, NM 87194.

IF CHANGING NUTRACEUTICAL'S becoming Multi-billion Health Industry Tremendous Opportunity! NC (704) 32-2320.

DOES \$75,000 A YEAR INTEREST YOU? We are a NASDAQ listed company looking for field sales representatives interested in making this much money and more. Good people skills are necessary, experience is not! Fax your resume to (704) 372-4313. All inquires confidential.

Insurance

MILITARY RETIREES. Champus Supplement. Will pay the 25% allowed us 100% of all excess charges. Brochure 800-627-2824 Ext. 490.

AFFORDABLE HEALTH INSURANCE. Call today for more information 1-800-55-0664 John Janson.

Wanted

OWNER FINANCED Mortgage/Trust notes. Cash paid now! Heritage 1-800-3-2790.

WE BUY OWNER-FINANCED mortgages, Contracts, Deeds for cash. 800-872-5686.

CASH PAID FOR OLD FISHING tackle (Pre 1950) 1-800-445-0044 or (704) 624-3200 8am-4pm M-F.

CONTESTANTS WANTED Between the ages of 7-23 to compete in this year's 1997 Raleigh Pageants. Over \$20,000 in prizes awarded annually. Call 1-800-858-0333 Ext. 3801.

Help Wanted

ASSEMBLE CRAFT PRODUCTS at home! Great Extra Income Idea! Information: 1-800-377-6000, Ext., 8820.

WON - Earn \$15+ per hour from home! Free Training 1-800-566-8055.

Arch Swings

HANDMADE QUALITY & COMFORT \$5.00+. Any Length. Bankston Swing Company. Rockingham, 1-800-YO-SWING.

Financial

CREDIT LINE AVAILABLE NOW! Let the Comment Finance Your Business. 100% Satisfaction Guaranteed. 1-800-236-3601, ext. BF8820.

NEED CASH? Receiving payments from a mortgage Note or Structured Settlement? Rather have Cash? (910) 629-7909.

For Sale

WATKINS PRODUCTS CATALOG. Order Direct. Hixie Wheeler 3141 Bruce Garner Road, Creedmoor, NC 27522.

CALL SAWMILL EXCHANGE TO Buy/Sell used portable sawmills (Wood-Mizer, TimberKing, etc.). Also, "Portable Sawmill Encyclopedia", only \$14.95! (205)-969-3963, <http://www.sawmill-exchange.com>.

YOU WANT IT, WE'VE GOT IT! Hundreds of items for everybody. \$15 coupon gets you started. Send \$6.00 for catalog. Hyphenmark, Dept. CC, 8323 Shady Spring Drive, Gaithersburg, MD 20877.

POPLAR CUTTING BOARDS: Pig, NC, Heart, Fish, manatee, and Strawberry shapes. Letter Openers: Made from stainless steel knives. All great gifts \$14.95 including S/H (704)-435-0695.

MOVIE, TELEVISION, COUNTRY Music, Photographs, Video Tapes, Books. Free Catalog. Empire Publishing, Box 717, Madison, NC 27025 (910) 427-5850.

Work Clothes

GOOD, CLEAN RENTAL-TYPE WORK CLOTHES. 6 pants & 6 shirts to match \$29.95. Lined work Jackets \$9.95. Satisfaction Guaranteed! Send sizes with check or money order plus \$5.00 S&H to: Walt's Wholesale Co., PO Box 208-E, Darlington, SC 29532 or MC/Visa orders 1-800-233-1853.

SAVE 75% ON WORK WEAR! Uniform rental returns. Excellent condition. Laundered, Durable, Very Comfortable. Free Brochure 1-800-909-9025.

Miscellaneous

FENCING VINYL Tired of maintaining wooden fencing? Call Carolina Vinyl Products, we manufacture over 30 styles of premium vinyl fencing all with a lifetime warranty. Privacy, Decorative, Rail and Specialty Fencing are but a few of the maintenance free styles available, which range in price from \$10.00 to \$50.00 per foot. Call (919) 524-5000 or 1-888-262-3362 to talk with a helpful & friendly salesman.

20/20 WITHOUT GLASSES! Safe, rapid, non-surgical, permanent restoration 6-8 weeks. Airline pilot developed, Doctor approved. Free information by mail: 1-800-422-7320 ext. 135, (406) 961-5570, Fax (406) 961-5577, <http://www.vision-freedom.com> Satisfaction Guaranteed.

DISK JOCKEY SERVICE. Reunions / Weddings/Private Parties. Oldies (50's, 60's & 70's), Beach, and Country. Butch Berry (704) 963-5589.

Specialty Foods

FREE WATKINS QUALITY PRODUCTS Catalog. Toll-free 1-888-556-7235. Independent Representatives Kent and Carolyn Rogers.

Recipes

GRANDMA'S CINNAMON APPLE JELLY. Send \$1.00 & SASE to: TAW, P.O. Box 1333, Newton, NC 28658.

Educational/Training

DOLLS! Learn to make, repair, dress and restore at home. Free brochure. Call 1-800-326-9221 or write Lifetime Career Schools, Dept DV0477, 101 Harrison Street, Archbald, PA 18403.

Weight Loss/ Nutrition

MEDICAL BREAKTHROUGH FOR Weight Loss & Fat Reduction! 37% Greater Weight Loss. 48% Greater Fat Loss. 20% Greater Endurance. One month's supply: Pyruvate+ (\$39.95) & Essential Minerals (\$18.95) plus tax & shipping. To order contact: Product Management Group @ 1-919-556-5280, Toll Free 1-888-576-5571, E-Mail promgmt@ipass.net. Satisfaction Guaranteed.

WANTED: 10 PEOPLE TO LOSE Weight and Make Money! For Free Information Call: 1-888-222-3181. Mention Code RBCC.

HERBALIFE DISTRIBUTOR. Ask me now for products. Carolyn (704) 878-2694.

Vacation Rentals

BANNER ELK, NC 2BR, Furnished Condo near Grandfather, Sugar and Beech Mountains (704) 898-4919.

2BR MOUNTAIN CABIN ON NEW River, Ashe County (910) 982-3281.

Health

CARPEL TUNNEL RELIEF. Many have found relief with this natural formula. For 30 day supply, send \$19.95 Check or Money Order to: Basic Life, PO Box 2964, Concord, NC 28025 or Call 1-888-312-4072.

CAROLINA COUNTRY CLASSIFIEDS \$2 per word (\$20 minimum per ad), prepaid. Contact: Jennifer Hoey, (919) 713-1307. Classifieds, P.O. Box 27306, Raleigh, NC 27611

ATTENTION SENIOR HOMEOWNERS

The United States Department of Housing and Urban Development has a mortgage loan program tailored to the needs of seniors.

This new benefit allows you to receive cash advances from the equity in your home to use for any purpose, with no repayment required, as long as you maintain your home as your primary residence.

There are minimal out-of-pocket expenses required to get into the program, and you will receive consumer education from a HUD-approved non-profit counseling agency.

Call the local HUD/FHA approved lender listed below for more information.



Wendover

(910) 605-2630
(800) 568-9109





SWEET 'N SPICY STEAKS

Submitted by Melinda I. Phillips, Fayetteville

4 trimmed boneless steaks

Sauce:

½ cup chunky salsa

¼ cup ketchup

2 tablespoons packed brown sugar

1 tablespoon Dijon-style mustard

In small bowl, combine sauce ingredients. Mix well. Reserve ¼ cup sauce. Place steaks on grill over medium heat (ash-covered coals). Grill uncovered 18 to 22 minutes or until done (no longer red). Turn occasionally, brushing both sides with remaining sauce during the last 5 minutes. Serve steaks with leftover sauce. (4 servings.)

DEVEILED EGGS

Submitted by Myrtle B. Harrill, Charlotte

6 hard boiled eggs

1 teaspoon vinegar or
pickle juice

¼ teaspoon dry mustard

½ teaspoon salt

½ teaspoon Worcestershire sauce
About 4 tablespoons mayonnaise
Paprika

Cool eggs, cut each egg in half, remove yolks. Mash yolks with fork until fluffy. Add other ingredients and mix. Spoon mixture on egg halves and sprinkle with paprika. Cool before serving.

MANDARIN ORANGE SALAD

Submitted by Ruby B. Delk, Lexington

1 small container Cool Whip

1 3-ounce package orange Jello

1 12-ounce container cottage cheese

1 small can mandarin oranges

1 small can crushed pineapple

Mix dry Jello in Cool Whip. Fold in cottage cheese. Drain fruit well and mix in with Cool Whip mixture. Refrigerate before serving.

Summer Picnics

COUNTRY CORN BREAD

Submitted by Mrs. Joseph L. Boswell, Tyner

2 12-ounce boxes Flako corn muffin mix

1 can creamed corn

2 eggs

1 8-ounce sour cream

1 tablespoon sugar

1 stick butter or margarine

Mix first five ingredients. Melt butter in baking dish in 350-degree oven. Pour mixture into baking dish. Cook 45 minutes or until golden brown. Yield: 24 squares.

Support your local grower

Want to share recipes?

If you would like to share a recipe with Carolina Kitchen, send it to Recipes, Carolina Country, P.O. Box 27306, Raleigh, N.C. 27611.

We pay \$5 for recipes we publish and present each monthly winner a set of 50 recipe cards featuring a reprint of the published recipe.



You can afford your own pool!

At Neptune Pools, we believe a quality pool should be within everyone's budget!



Plus, you'll also receive a FREE Polaris automatic pool vacuum when you purchase an aluminum pool. So, call today for a free yard survey and information on all our pools and decks. And leave your summer vacation planning to us!

- Financing available
- Full installation and service department
- Standard and custom decks

Call **1-800-323-7946**

Hours: Monday - Saturday 9am - 9pm
Installation and yard survey available in most areas - call to see if your homesite qualifies!

NEPTUNE POOLS, Inc.

**Prior sales excluded—not valid with any other offer.
Ad must be presented at time of sale.



Serving the Southeast with quality pools for over a decade!

*12'x24' oval (not pictured)

IN 1955, MRS. DEAN SASSER INSTALLED A NEW ELECTRIC WATER HEATER.

In addition to years of virtually maintenance-free service,



We're Waiting To See What Happens Next.

Cooperative Member

Mrs. Dean Sasser

*"If I need another one,
I'll let you know."*

today's electric water heaters

cost less to buy and install and

heat water faster than ever.

For more reasons why today's

high-efficiency water heaters

are your most economical and reliable water heating

choice, call your cooperative today. It's not

like they'll be busy fixing water heaters.



XXXXXXXXXXXXXXXXXXXX3-DIGIT 275
000000196 2
N CAROLINA COLLECTION 254952 44
WILSON LIBRARY
CB 3930 UNC-CH
CHAPEL HILL NC 27599-0001



**North Carolina's
Electric Cooperatives**

Energy To Get Things DoneSM

Serving 1.6 million consumers in 93 North Carolina counties